Océ User manual

Océ TCS300

User manual

Océ-Technologies B.V.

Copyright

© 2006, Océ-Technologies B.V. Venlo, The Netherlands.
All rights reserved. No part of this work may be reproduced, copied, adapted, or transmitted in any form or by any means without written permission from Océ.

Océ-Technologies B.V. makes no representation or warranties with respect to the contents hereof and specifically disclaims any implied warranties of merchantability or fitness for any particular purpose.
Further, Océ-Technologies B.V. reserves the right to revise this publication and to make changes from time to time in the content hereof without obligation to notify any person of such revision or changes.

Edition 2006-04

Trademarks

Océ, Océ TCS300, Océ TCS300 printer, Océ Doc Exec®, Océ Image Logic®, Océ Scan Logic®, Océ Power Logic®, Océ Print Exec® and Océ Remote Logic® are registered trademarks of Océ-Technologies B.V.
Adobe® and PostScript® 3™ are registered trademarks of Adobe® Systems Incorporated.
Macintosh® is a registered trademark of Apple® Computer, Inc.
Microsoft®, Windows® , Windows NT®, Windows 95/98®, Windows 2000®, Windows XP® and Internet Explorer® are either registered trademarks or trademarks of Microsoft® Corporation in the United States and/or other countries.
AutoCAD® is a registered trademark of Autodesk, Inc.
Novell® is a registered trademark of Novell, Inc.
Netscape Navigator® is a registered trademark of Netscape Corp.
Pentium® is a registered trademark of Intel Corporation.
Energy STAR® is a registered trademark of the U.S. Environmental Protection Agency (EPA).

Products in this publication are referred to by their general trade names. In most, if not all cases, these designations are claimed as trademarks or registered trademarks of their respective companies.

Contents

Chapter 1
Introduction 9
Notes for the reader 10
How to use this manual 11
Available documentation 13
The Océ TCS300 users 14

Chapter 2
Get to know the Océ TCS300 colour printing system hardware 17
The Océ TCS300 colour printing system 18
The Océ Power Logic® controller 19
The Océ TCS300 printer 21
The Océ TCS300 printer 21
The printer operator panel 23
The on-line mode and the off-line mode 26
The finishing options 29
The finishing options 29
The optional copy receiving rack 30

Chapter 3
Prepare the Océ TCS300 for use 35
Introduction 36
Turn on and off the Océ TCS300 37
Turn on and off the Océ TCS300 printer and the Océ Power Logic® controller 37
Set the timers 40
The energy save mode timer 40
The sleep mode timer 42
Define the display language of the Océ TCS300 44
Set another language for the Océ TCS300 Settings Editor 46
Configure the regional settings of the Océ TCS300 47
Configure the network settings of the Océ TCS300 48

Chapter 4
Use the Océ Settings Editor to control your workflow 53
Purpose of the Océ TCS300 Settings Editor 54
User roles and authorisations 56
Log in as an authorised user 57
View the settings 58
Check your licenses 60

Define the media sizes 62
Configure the 'Media request time-out' 63
Manage the media profiles 64
Download a media profile from the Océ web site 65
Update a media profile 66
Set up unattended / overnight printing optimisation 67

Chapter 5
Print jobs to the Océ TCS300 69
What you need to know before you send your print jobs 70
Send print jobs to the Océ TCS300 71
Use the printer drivers to send jobs to the Océ TCS300 printer 72
Use FTP to send jobs to the Océ TCS300 73
Stop or delete an active job 74
Handle the media for the print jobs 75
Define the correct media for your jobs 75
Change the default drying time 77
Cut the output and clean cut a roll of media 78

Chapter 6
Ensure the best output quality 81
Introduction how to ensure the best output quality 82
Define the output quality 83
The quality modes 83
Output type, output quality and print speed 84
Recommended media types and quality modes 85
Colour Management 96
Define the colour settings 96
'Colour feel' 100
'Enhanced colours: RGB input data' 101
'Enhanced colours: CMYK input data' 102
'Enhanced colours: Rendering intent' 103
'Colour Management' in the Océ Settings Editor 105
Check the output quality 108
Output quality problems 108
'Quality check' print 113
'Tone scale area check' print 114
'Demo print' 115
Optimise the output quality 116
Optimise the output quality on the printer 116
Use the Optimise print quality wizard 118

Chapter 7
License management 121
Introduction to managing licenses 122

The 'Licenses' tab in the Settings Editor 122
The basic workflow of license activation 123
The structure of license files and licenses 124
Check your licenses 126
Get a new license 127
Save the currently active licenses 129

Chapter 8
Maintain the Océ TCS300 printer 131
Replace the media 132
Replace the ink tanks 139
Replace a defective printhead 142
Replace the maintenance cassette 147

Chapter 9
System messages and solutions 151
Overview 152
Required media not available 154
End of roll 155
Cover or door opened 156
Remove jammed media 157
Temperature or humidity out of range 159
Carriage away from home position too long 160
Clear the set memory 161
Correct system errors 162
Deal with permanent errors 163

Appendix A
Specifications of the Océ TCS300 165
Specifications Océ Power Logic® controller 166
Specifications Océ TCS300 printer 168
Preferred media types and sizes 170
Typical drying times 173
Specifications drivers and job submission software 175

Appendix B
Reader's comment sheet 177
Reader's comment sheet 178

Appendix C
Addresses of local Océ organisations 181
Addresses of local Océ organisations 182

Chapter 1
Introduction

Notes for the reader

Introduction

This manual helps you to use the Océ TCS300. The manual contains a description of the Océ TCS300 and guidelines to use and operate the Océ TCS300. There are also tips to increase your knowledge of the Océ TCS300 and to help you manage the workflow even better.

Definition

Attention Getters

Parts of this manual require your special attention. These parts provide important, additional information or are about the prevention of damage to your properties.

Note, Attention and Caution

The words **Note**, **Attention** and **Caution** indicate these important parts.

- The word **Note** comes before additional information about the correct operation of the Océ TCS300 or a tip.
- A part marked with **Attention** contains information to prevent damage to items, for example the Océ TCS300, an original or a file.
- A part marked with **Caution** contains information to prevent personal injury. **Caution** is found only in manuals that describe physical products.

Safety information

The safety information for this product is included in a separate manual with the title **Safety manual**. This manual is part of the documentation set that you received with your product.

How to use this manual

Introduction

You can access a topic quickly through the following methods.

- Refer to the alphabetical index at the end of the manual.
- Refer to the table of contents at the beginning of this manual.
  Before you turn to the complete table of contents, you can also use the following table to find a topic quickly.

The sections of this manual

The following table gives an overview of how the chapters are arranged logically.

Chapters	Section	Topics
1	Introduction	■ Explanation regarding the manual and how to use it. ■ Overview of available documentation ■ Overview of the users of the printer.
2	Get to know the system	■ General system description ■ Controller ■ Printer ■ Finishing options
3	Prepare the system for use	■ Turn the system on and off ■ Define the time-outs ■ Set the system language ■ Configure the network settings
4	Use the web based application to control your workflow	Océ Settings Editor
5	Use the system	Print jobs
6	Ensure the best quality output	■ Define the output quality ■ Check the output quality ■ Optimise the output quality
7	License Management	Manage the 'Licenses'
8	Maintain the system	Maintenance actions on the printer
9	System messages and solutions	■ System messages ■ Printer messages
Appendix A	Specifications	■ System specifications ■ Supported media types and sizes

Chapters	Section	Topics
Appendix B	General information	Reader's comment sheet
Appendix C	General information	Addresses of local Océ organisations

Available documentation

Introduction

This manual is part of a complete documentation set. The following table shows a complete overview of the available documentation.

Available documentation

[2] Available documentation

Product	Documentation	Medium
Océ TCS300	Océ TCS300 User manual	CD-ROM, as a PDF file in multiple languages.
	Océ TCS300 Safety Manual	Hardcopy manual (multilingual), also available as a PDF file.
Océ Power Logic® controller	Océ TDS-TCS connectivity manual	CD-ROM, as a PDF file in English only.
	On-line Help Océ TCS300® Settings Editor application	Embedded in the application, as an on-line help file in multiple languages.
Océ Windows® Printer Driver	Océ Windows® Printer Driver User Manual	CD-ROM, as a PDF file in multiple languages on Océ Driver Pack CD-ROM.
	Océ Windows® Printer Driver On-line Help	Embedded in the driver application as on-line help file in multiple languages.
Océ PostScript® 3 driver	Océ PostScript® 3 driver Getting Started	CD-ROM, as a PDF file in multiple languages on Océ Driver Pack CD-ROM.
	Océ PostScript® 3 driver Getting Started	Embedded in the driver application as on-line help file in multiple languages.

Note: *Visit Océ on the internet at www.oce.com for the latest information.*

The Océ TCS300 users

Introduction

The Océ TCS300 has the following types of users.

- Common user
- Key operator
- System administrator
- Power user.

You can logon on as one of the above mentioned users to work in the Océ TCS300 Settings Editor. Each user has different rights in the application.

Note: *(see 'User roles and authorisations' on page 56) for more information about the user modes and how to log on as a specific type of user.*

Common user

The common user is a person who uses the system for print jobs. The common user has no permission to change the system settings. Therefore, the common user is also referred to as an anonymous user.

Note: *You do not need a password if you are a common user.*

Key operator

The key operator is responsible for the user maintenance and the system settings of the Océ TCS300.
The key operator has the permission to define the key operator settings in the Océ Settings Editor.

Key operator settings	
Mode	**Settings to change**
Key operator	■ System settings ■ Printer settings ■ Job settings for print jobs.

Note: *The default password for the key operator is **KeyOp**.*

System administrator

The system administrator is responsible for the installation and the configuration of the Océ TCS300 in the network environment.

The system administrator has the permission to define the system administrator settings in the Océ Settings Editor.

System administrator settings	
Mode	**Settings to change**
System administrator	■ System settings ■ Security settings ■ Connectivity settings ■ Printer PDL settings ■ Printer pen settings.

Note: *The default password for the system administrator is **SysAdm**.*

Power user

When one person is responsible for all tasks on the Océ TCS300 it is advised to work with the system as a power user. The power user has the combined rights of the key operator and the system administrator.

Power user settings	
Mode	**Settings to change**
Power user	Key operator settings ■ System settings ■ Printer settings ■ Job settings for print jobs. System settings ■ System settings ■ Security settings ■ Connectivity settings ■ Printer PDL settings ■ Printer pen settings.

Note: *The default password for the power user is **PowUsr**.*

Chapter 2
Get to know the Océ TCS300 colour printing system hardware

The Océ TCS300 colour printing system

Introduction

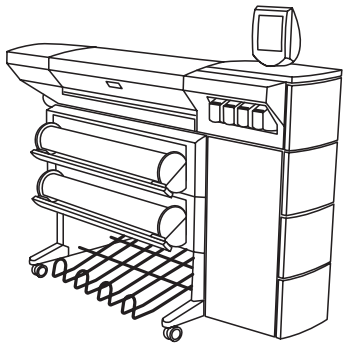
The Océ TCS300 is a modular wide-format colour printing system.
The Océ TCS300 offers a wide range of print functionality. The Océ TCS300 uses the CMYK colour model. The printer contains printheads for cyan, magenta, yellow, and black (CMYK) and is based on thermal inkjet technology.
The Océ Settings Editor application that manages and configures the colour printing system runs on an embedded web server on the Océ Power Logic® controller. Therefore, you do not need a monitor, mouse and keyboard attached to the controller. You can access the homepage of the controller application from any networked workstation.

The Océ TCS300 colour printing system consists of the following modules.

- The Océ Power Logic® controller.
- The printer.

The Océ TCS300 main components

Your configuration is a very lean configuration that consists of a printer and a controller only. Thanks to the web based access to the Océ Settings Editor you do not need a monitor, a keyboard and a mouse to connect to the controller. The Océ Power Logic® controller is placed inside the controller cabinet of the printer. This adds to the compactness of the system and renders a small footprint.



[1] The Océ TCS300 colour printing system

Note: *The Océ Power Logic® controller is not visible in the illustration. The controller is placed inside the controller cabinet on the right hand side of the printer (without a monitor, a keyboard and a mouse attached).*

The Océ Power Logic® controller

Introduction

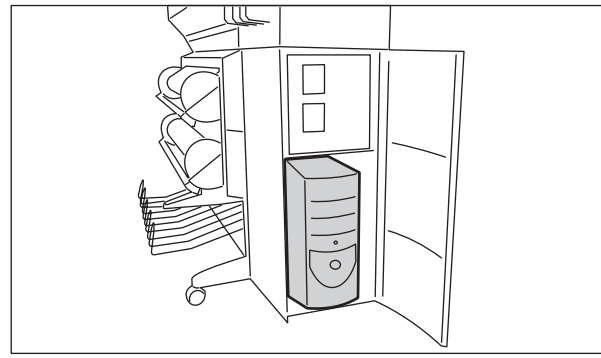
The Océ Power Logic® controller is based on a PC platform running Windows® XP Embedded.

Use the Océ Power Logic® controller to do the following.

- define the default system settings
- receive jobs over the network
- process the print jobs
- manage licenses

The location of the Océ Power Logic® controller

[6] The location of the Océ Power Logic® controller

Location of the controller	Illustration
Integrated in the right-hand side of the Océ TCS300 printer.	 [2] The Océ Power Logic® controller (printer)

The web application that runs on the Océ Power Logic® controller

The Settings Editor is a web application that runs on the embedded Océ TCS300 web server. You can use an internet browser (Microsoft® Internet Explorer 5.0, 5.5 and 6.0 and Mozilla® Firefox® 1.0 and 1.5) to open the home page of the Settings Editor. This application gives you access to the settings to manage the configuration and preferences of the Océ TCS300. The settings related to the system configuration need to be configured only once. The settings that are more related to workflow preferences or an optimal tuning of the print job processing can be changed when necessary. To be able to edit settings in the Settings Editor you must log in using one of three predefined user roles because the settings are all password protected.

[7] Océ web application that runs on the Océ Power Logic® controller

Application	Description
Océ Settings Editor	With the Océ Settings Editor you can view or edit the default settings of the system. All users can view the default settings. To edit the settings you need a password. There are two types of settings. ■ Key Operator settings To edit the key operator settings you need to log on with the key operator password. ■ System Administrator settings To edit the system administrator settings you need to log on with the system administrator password. **Note:** *If you log on as a Power user, you can edit all the settings.*

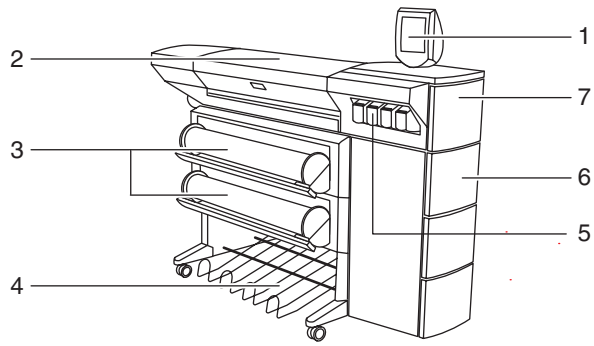
The Océ TCS300 printer

The Océ TCS300 printer

Introduction

The Océ TCS300 printer is a 36 inch colour printer with a true resolution of 600 dpi and is standard available with multiple media rolls. Please ask your Océ representative for the available media roll configurations. Each of the rolls can contain different types and sizes of media. The size and type of the loaded media are indicated on the operator panel. There are two finishing options available for the Océ TCS300 printer (see '*The finishing options*' on page *29*).
The Océ TCS300 printer uses the CMYK colour model. The printer contains printheads for cyan, magenta, yellow, and black (CMYK) which are based on thermal inkjet technology.

Illustration



[3] The Océ TCS300 printer (2 roll version)

The main components of the Océ TCS300 printer

Number	Component	Function
1.	The printer operator panel	View the printer information.
2.	The top cover	Get access to the carriage with the printheads.
3.	The media rolls	Provide the media for your printed output.
4.	The integrated receiving tray	Receive the output (option).
5.	The ink tanks	Provide the ink for your printed output.
6.	The Océ Power Logic® controller door	Get acces to the optionally integrated Océ Power Logic® controller.
7.	The maintenance door	Get access to the maintenance cassette.

Note: *The copy receiving rack is an optional feature. The copy receiving rack is required for the 3 roll version (see 'The optional copy receiving rack' on page 30).*

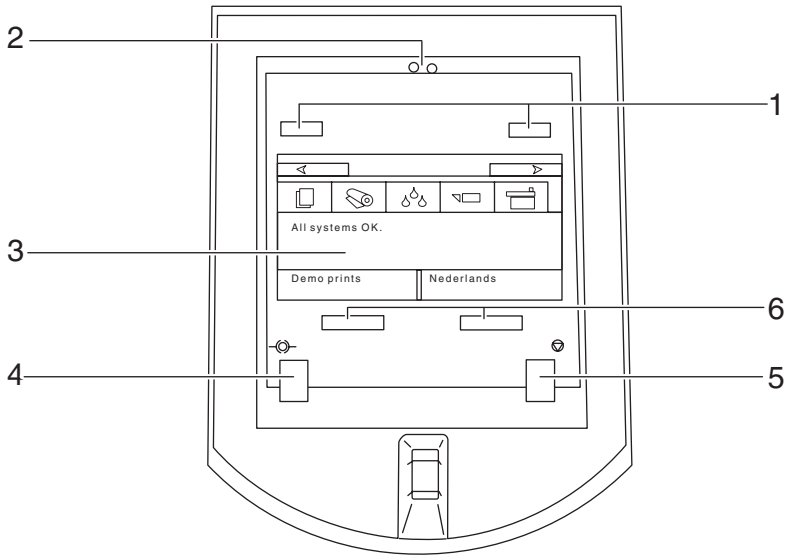
The printer operator panel

Introduction

This section describes the parts and the functions of the printer operator panel. You can turn the printer operator panel for easy viewing to both sides.

Use the printer operator panel to view system information when the system is in the on-line mode and to do actions when the system is in the off-line mode.

The main components of the printer operator panel are the following.



[4] The operator panel of the Océ TCS300 printer

The keys and their functions

[9] The keys and their functions (1 – 2)

Number	Component	Function
1	The upper softkeys	The function of a softkey depends on the mode of the printer operator panel. (see '*The on-line mode and the off-line mode*' on page *26*) Use the upper softkeys to do the following ■ Scroll through the information tabs on the on-line screen ■ Scroll through the wizard cards on the off-line screen ■ Step through the wizards on the off-line screen.
2	The red attention LEDs	When operator action is required, the red LEDs illuminate and you will hear an audio signal. The printer has the following types of signals. ■ An attention signal A short interrupted audio signal. The red LEDs flash two times. ■ A warning signal A short interrupted audio signal. The red LEDs remain illuminated. ■ An error signal A long, uninterrupted audio signal. The LEDs flash continuously. **Note:** *The chapter* ***System messages and solutions*** *describes how to correct possible errors.*
3	The screen	The screen of the printer operator panel displays different types of information. The type of information depends on the mode of the system. When the printer is in the on-line mode, the screen displays general system information and job information. When the printer is in the off-line mode, the screen displays various wizards for user action (see '*The on-line mode and the off-line mode*' on page *26*).

[9] The keys and their functions (2 – 2)

Number	Component	Function
4	The on-line / off-line key with green LED	Use the on-line / off-line key to switch between the on-line mode and the off-line mode on the screen. When you press the on-line / off-line key while the printer is active, the printer finishes the print. Then the printer goes off-line. The next section contains more information about the on-line mode and the off-line mode (see '*The on-line mode and the off-line mode*' on page *26*).
5	The stop key	Use the stop key to delete or to stop a job (see '*Stop or delete an active job*' on page *74*).
6	The lower softkeys.	The function of a softkey depends on the mode of the printer operator panel. (see '*The on-line mode and the off-line mode*' on page *26*) Use the lower softkeys to do the following ■ Select items on the on-line screen ■ select the wizards on the off-line screen ■ Select options in the wizards on the off-line screen.

Note: *The function of a softkey depends on where you are in the definition of the job settings.*

The on-line mode and the off-line mode

Introduction

Use the on-line / off-line key to switch between the on-line mode and the off-line mode on the screen of the printer operator panel. When you press the on-line / off-line key while the printer is active, the printer finishes the print. Then the printer goes off-line.

The on-line mode

[5] The on-line mode (system information card)

When the printer is in the on-line mode, the green LED is on. The screen of the printer operator panel displays the following 5 information cards.

[10] On-line mode - Information cards (1 – 2)

Information card	Displayed information
Job information	■ Job status ■ Job name ■ Progress indication ■ Selected print mode
Media information	The media types and media sizes loaded on the system
Ink level information	There are four indication types. ■ Percentage of ink in a tank (1% - 100%). ■ 'Ink tank empty' (0%). The indication for the empty tank blinks and an exclamation symbol is added. ■ The ink tank is not in place. The indication shows a dashed indication for the tank.

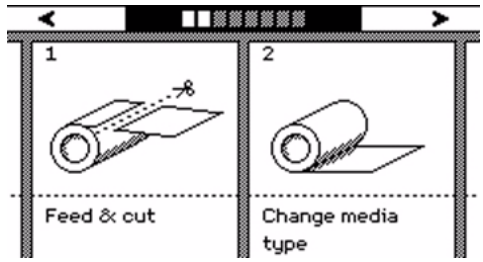
[10] On-line mode - Information cards (2 – 2)

Information card	Displayed information
Printhead information	The status of each printhead. There are two status types. ■ All printheads OK ■ Printhead error
System information	■ Error messages and warnings about the maintenance cassette. Select the lower left softkey 'Demo print' to do the following. ■ Make a demo print. ■ Print an overview of the current Settings Editor settings. ■ Print a quality check print. ■ Print a tone scale area check print. Select the lower right softkey 'Language' to do the following. ■ Toggle between two display languages.

Use the upper softkeys to scroll through the information tabs.

The off-line mode

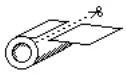
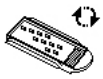
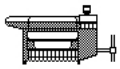
Press the on-line / off-line key to enter the off-line mode. When the printer is in the off-line mode, the green LED is off. The printer operator panel displays a set of wizards. A wizard always requires a user action. When you initially enter the off-line mode, the printer operator panel displays the wizards 1 and 2. The next time you enter the off-line mode, you return to the previous position.



[11] The off-line mode

Use the upper softkeys to navigate through the wizard cards (graphical representation of the wizards) and through the wizard steps ('Back', 'Next'). Use the lower softkeys to select a wizard card or an option within the wizards.
You can select the following wizards.

[11] Overview Océ TCS300 printer wizards

Wizard	Reference
'Feed & cut' 	(see '*Cut the output and clean cut a roll of media*' on page *78*) Use this wizard to do the following. ■ Cut the output. ■ Clean cut a roll of media. Use this option to cut the media on the roll so that the edge is straight.
'Change media type'	(see '*Replace the media*' on page *132*) Use this wizard to correct the type of media when an incorrect media type was defined when the roll was loaded.
'Optimise print quality'	(see '*Use the Optimise print quality wizard*' on page *118*) Use this wizard to correct problems with the output quality. The wizard performs the following actions. ■ Detect weak or failing nozzles. The Océ TCS300 automatically compensates the detected nozzles in future prints to make sure that print quality is optimal. ■ Align the printheads and optimise the paper transport.
'Replace printhead'	(see '*Replace a defective printhead*' on page *142*) Use this wizard to replace a defective printhead, after the printer operator panel displays an error message and prompts you to replace the defective printheads. Only replace the printheads the system indicates.
'Replace cassette' 	(see '*Replace the maintenance cassette*' on page *147*) Use this wizard to replace the maintenance cassette, after the printer operator panel displays the message 'Maintenance cassette nearly full.'.
'Replace ink tank'	(see '*Replace the ink tanks*' on page *139*) Use this wizard to replace the ink tank when the ink level indicator on the printer operator panel shows 0%. The indicator flashes when the ink tank is empty.
'Display counters'	Select this wizard to check the amount of media and ink that is used since the system was installed. Press the softkey for 'Finish' to return to the off-line screen.
'Configure system' 	(see '*Configure the network settings of the Océ TCS300*' on page *48*) You can perform the following actions in the 'Configure system' wizard. ■ Configure the network settings. ■ Clear the set memory.
'Language'	Toggle between the two languages that you defined in the Océ Settings Editor. (see '*Define the display language of the Océ TCS300*' on page *44*)

The finishing options

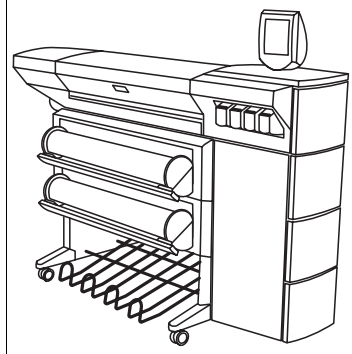
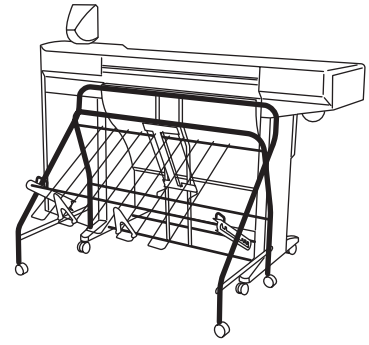
The finishing options

Introduction

It is possible to expand your Océ TCS300 printer with one of the following finishing options.

The finishing options

[12] The finishing options

Component	Function	Position of the component
Integrated Receiving Tray	This option is advised for a low production environment and a lot of same size output. The Integrated Receiving Tray is not available for the 3 roll version.	 [21] The Integrated Receiving Tray
Copy Receiving Rack	Collects output at the rear side of the printer. This option is advised for a higher production environment. The copy receiving rack can collect a maximum of 100 prints.	 [22] The Copy Receiving Rack

The optional copy receiving rack

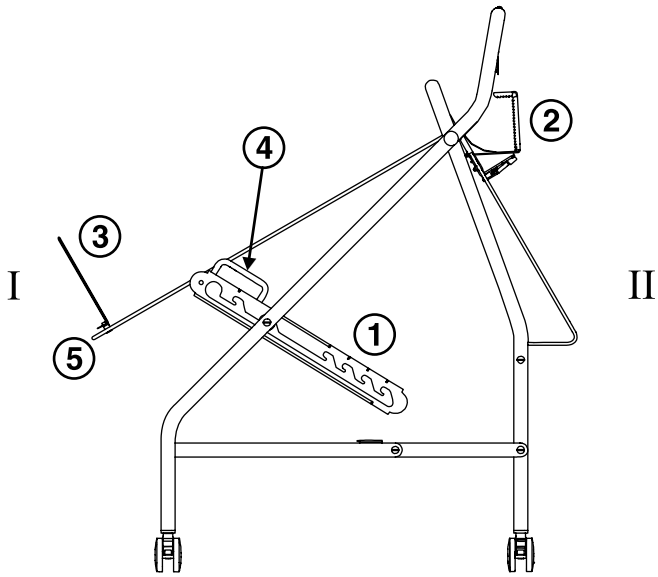
Introduction

The copy receiving rack is a movable tray that you can place behind the printer. The copy receiving rack is an option for the 1-roll configuration and the 2-roll configuration of the Océ TCS300 printer, but is required when you have a 3 roll configuration.

Purpose

Use the copy receiving rack to collect the printed output. You need to adjust the copy receiving rack before you can collect the printed output. How to adjust the copy receiving rack depends on the type of print job that you run.

The components



[23] The optional copy receiving rack

[13] The components and functions of the copy receiving rack

Nr.	Component	Function
1	Adjust guides	Adjust the rack
2	Leading edge stopper	Stop the print at the leading edge
3	Trailing edge stopper	Stop the print at the trailing edge
4	Left and right handle	Lower the rack
5	End of the rack	Lift the rack

How to adjust for standard print jobs

Attention: The copy receiving rack can collect a maximum of 15 prints in this position. When you try to collect more prints, the prints can get damaged.

1. Place the rack with side I against the back of the printer.
2. Secure the rack with the breaks of the wheels.
3. Place the trailing edge stoppers at the end of the tray.
4. Adjust the rack with the guides into the position marked with the following figure.

[24] Rack adjustment for standard print jobs

Use the handles on the left and right guide to lower the tray.
Take the end of the tray to lift the tray.

Note: *The position of the leading edge stopper is not important in this situation.*

How to adjust for productive print jobs with same media sizes

Attention: The copy receiving rack can collect a maximum of 100 prints in this position.

1. Place the rack with side II against the back of the printer.
2. Secure the rack with the breaks of the wheels.
3. Place the trailing edge stoppers at the end of the first sheet for a straight stack.
4. Adjust the rack with the guides into the position marked with the following figure.

[25] Rack adjustment for productive print jobs with same media sizes

Use the handles on the left and right guide to lower the tray.
Take the end of the tray to lift the tray.

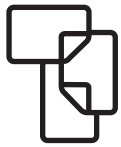
5. Adjust the leading edge stopper into the position that is equal to the size of the print.
   The marks on the leading edge stopper show the cut length in portrait direction.
   Press the handle on the leading edge stopper to adjust the leading edge stopper.

Note: *You can collect all types of media in this position except Photo-gloss and Film.*

How to adjust for productive print jobs with different media sizes

Attention: The copy receiving rack can collect a maximum of 100 prints in this position.

1. Place the rack with side II against the back of the printer.
2. Secure the rack with the breaks of the wheels.
3. Place the trailing edge stoppers at the tray.
4. Adjust the rack with the guides into 1 of the 4 positions marked with the following figure to find the balance for the longest print.



[26] Rack adjustment for productive print jobs with different media sizes

Use the handles on the left and right guide to lower the tray.
Take the end of the tray to lift the tray.

5. Adjust the leading edge stopper into the position that is equal to the size of the shortest print.
   The marks on the leading edge stopper show the cut length in portrait direction.
   Press the handle on the leading edge stopper to adjust the leading edge stopper.

How to adjust for productive print jobs with humid prints

Attention: The copy receiving rack can collect a maximum of 100 prints in this position.

1. Place the rack with side II against the back of the printer.
2. Secure the rack with the breaks of the wheels.
3. Place the trailing edge stoppers at the tray.
4. Adjust the rack with the guides into the position marked with one of the following figures.

[27] Rack adjustment for standard print jobs with humid prints

[28] Rack adjustment for standard print jobs with very humid prints

Use the handles on the left and right guide to lower the tray.
Take the end of the tray to lift the tray.

Note: *The mark for very humid prints is at the bottom of the adjust guides. Lift and turn the guides to adjust the rack into the position for very humid prints.*

Chapter 3
Prepare the Océ TCS300 for use

Introduction

This chapter contains all the information you need to prepare your Océ TCS300 for use.

You can learn more about the following.

- Turn on and off the Océ TCS300.
- Set the Océ TCS300 printer timers.
- Define the display language of the Océ TCS300.
- Define the language of the Océ TCS300 Settings Editor.
- Define the regional settings of the Océ TCS300.
- Configure the network settings of the Océ TCS300.

Turn on and off the Océ TCS300

Turn on and off the Océ TCS300 printer and the Océ Power Logic® controller

Introduction

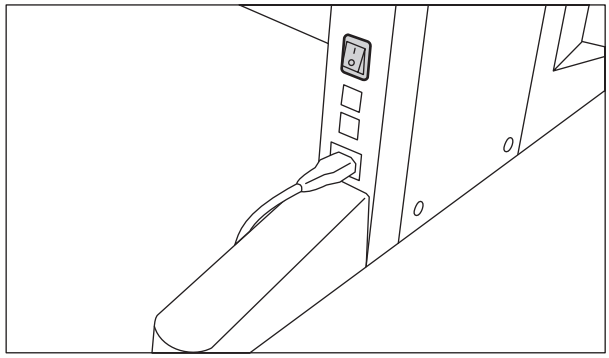
The Océ Settings Editor application contains an important setting for the start up and shut down of the printer and Océ Power Logic® controller.
The path of the 'Synchronise controller power on/off' setting is the following.
'Preferences' - 'System defaults'- 'Timers'.

Depending on this setting, you can turn on and off the Océ TCS300 printer and the Océ Power Logic® controller together or separately.
You can define if this setting is 'On' or 'Off'.

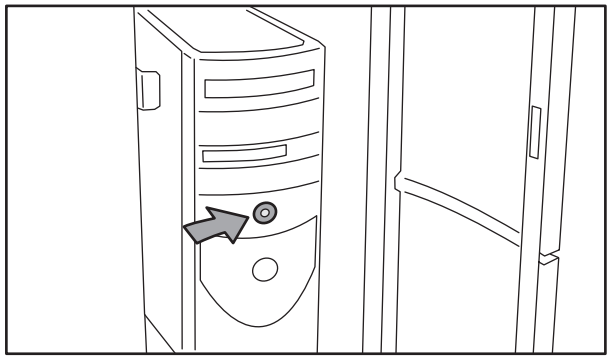
The following paragraphs describe how to turn on and off the Océ TCS300 when the above setting is set to either 'On' or 'Off'.

The Océ TCS300 printer and Océ Power Logic® controller have 2 energy save modes that enable you to prevent unnecessary power consumption when the system remains turned on in an idle state (see '*The energy save mode timer*' on page *40*) an (see '*The sleep mode timer*' on page *42*).

Note: *The Océ TCS300 printer has a separate main power switch on the backside of the printer. Set this main power switch to the position 1, after you connect the Océ TCS300 printer to the main power supply with the main power cable.*
The main power switch must be set to the position 1, before you can turn the system on, as described below
Only set the main power switch to the position 0 if you want to disconnect the Océ TCS300 printer from the main power supply, for example in case you want to move your printer to another location or in case your printer will not be used for a longer period of time (weeks).

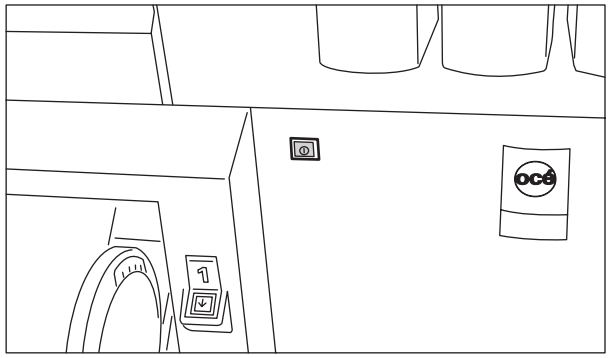


[29] The power switch on the backside of the printer.



[30] The On / off button of the Power Logic® controller (front).

Turn on the Océ Power Logic® controller and the printer



[31] The On / off button of the printer (front)

Setting: 'Synchronise controller power on/off'	Action
Set to 'On'	Press the On / off button on the printer The Océ Power Logic® controller and the printer both start up.
Set to 'Off'.	1. Press the On / off button on the Océ Power Logic® controller. 2. Press the On / off button on the printer.

Note: *When you turn on the Océ Power Logic®controller, the Océ Power Logic®controller needs some preparation time before it can handle jobs. The preparation time for print jobs is two and a half minutes.*

Turn off the Océ Power Logic® controller and the printer

There are 2 possibilities.

Setting: 'Synchronise controller power on/off'	Action
Set to 'On'	Press the On / off button on the printer. The Océ Power Logic® controller and the printer both shut down.
Set to 'Off'.	■ Press the On / off button on the printer. (The printer shuts down.) ■ Open the controller cabinet to access the Océ Power Logic® controller. ■ Press the On / off button on the controller. (The Océ Power Logic® controller shuts down.)

Note: *The Océ Power Logic ®controller needs a few minutes to finish the shut down process. To turn off the main power, wait until the shut down process has finished.*

Set the timers

The energy save mode timer

Introduction

The Océ TCS300 printer has 2 modes to prevent unnecessary power consumption.
- The energy save mode.
- The sleep mode.

This section describes the energy save mode.

The energy save mode

The Océ TCS300 printer uses less energy in the energy save mode than in the normal operating mode.
Both the printer and the Océ Power Logic® controller remain turned on.
You can define the following energy save mode settings in the Océ Setting Editor.

[16] Energy save mode settings in the Océ Setting Editor

'Preferences'- 'System defaults'- 'Sleep mode and energy mode' 'Energy save mode timer on/off'	**'Preferences' - 'System defaults'- 'Timers' 'Energy save mode time-out'**
On	Use this setting to define the delay in minutes before the Océ TCS300 printer enters the energy save mode.
Off	Not applicable

Note: *By default, the 'Energy save mode timer on/off' is enabled and the 'Energy save mode time-out' is set to 5 minutes.*

If you must change the default settings in the Océ Settings Editor proceed as follows.

[17] Change the Key Operator settings in the Océ Settings Editor

Step	Action
1	Access the home page of the Océ TCS300 Settings Editor in your browser application.
2	Navigate to the energy save mode settings. **'Preferences'- 'System defaults'- 'Sleep mode and energy mode'** **'Preferences' - 'System defaults'- 'Timers'**
3	Click the value of the setting you want to change.
4	Enter the key operator password in the dialogue box.
5	Change the required settings and confirm.
6	To prevent unauthorised use, make sure that you log out when you are ready .

When the Océ TCS300 is in the energy save mode, there are four ways to activate the system.

- press a key on the printer operator panel
- send a job
- press the retract button to retract a roll
- load a roll

The sleep mode timer

Introduction

The Océ TCS300 printer has 2 modes to prevent unnecessary power consumption.
- The energy save mode.
- The sleep mode.

This section describes the sleep mode.

The sleep mode

The Océ TCS300 printer uses less energy in the sleep mode than in the normal operating mode and even less energy than in the energy save mode.
The power supply of the printer is turned off in the sleep mode. The Océ Power Logic® controller remains turned on.
You can define the following sleep mode settings in the Océ Setting Editor.

[18] Sleep mode settings in the Océ Setting Editor

'Preferences'- 'System defaults'- 'Sleep mode and energy mode' 'Sleep mode timer on/off'	**'Preferences' - 'System defaults'- 'Timers' 'Sleep mode time-out'**
On	Use this setting to define the delay in minutes before the Océ TCS300 printer enters the sleep mode.
Off	Not applicable

Note: *By default, the 'Sleep mode timer' is enabled and the 'Sleep mode time-out' is set to 30 minutes.*

If you must change the default settings in the Océ Settings Editor proceed as follows.

[19] Change the Key Operator settings in the Océ Settings Editor

Step	Action
1	Access the home page of the Océ TCS300 Settings Editor in your browser application.
2	Navigate to the sleep mode settings. **'Preferences'- 'System defaults'- 'Sleep mode and energy mode'** **'Preferences' - 'System defaults'- 'Timers'**
3	Click the value of the setting you want to change.
4	Enter the key operator password in the dialogue box.
5	Change the required settings and confirm.
6	To prevent unauthorised use make sure that you log out when you are ready.

When the Océ TCS300 is in the sleep mode, there are two ways to activate the system.

- send a job
- press the On / off button of the printer

The printer needs about 1 minute to wake up from the sleep mode. The green LED illuminates. This indicates that the system wakes up. During the wake-up period, the screen remains blank.

Note: *The sleep mode complies with the EPA Energy Star® sleep mode requirements for wide format printers.*

Define the display language of the Océ TCS300

Introduction

The Océ Settings Editor allows you to define the 'First language' (the default display language) and the 'Second language' (the alternative display language) for the printer operator panel.

The 'First language' and the 'Second language' you defined in the Océ Setting Editor are also the display languages that are available on the printer operator panel. You can toggle between these two languages using the operator panel.

Before you begin

Access the Océ Settings Editor. This setting can be edited by the key operator and the power user.

How to define the default and the alternative display languages in the Océ Settings Editor

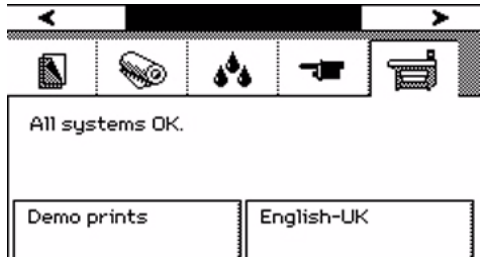
1. Select **'Preferences' - 'System defaults' - 'Regional settings'**.
2. Click the value for 'First language',
   or
3. Click 'Edit' in the 'Regional settings' bar to access a window for all regional settings.
4. Select the first display language that you can choose for the operator panel from the drop down list.
5. Click 'Ok' to confirm your entries or 'Cancel' to reject your entries.
6. Repeat the same steps to define a second display language for the operator panel.

Note: *The Océ TCS300 supports 19 display languages.*

How to change the display language on the on-line screen of the printer operator panel

Note: *Only the first language (default language) and the second language (alternative language) defined in the Océ Settings Editor are available on the operator panel.*

1. Use the upper softkeys to select the 'System' tab.
2. Press the lower right softkey to toggle between the first language and the second language.

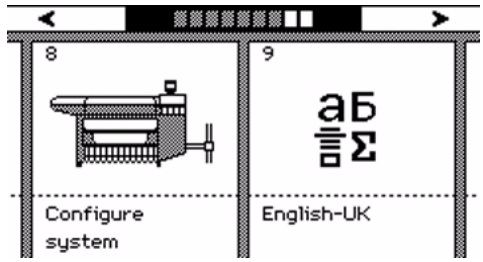


[32] Press the lower-right softkey to change the language

How to change the display language on the off-line screen of the printer operator panel

Note: *Only the first language (default language) and the second language (alternative language) defined in the Océ Settings Editor are available on the operator panel.*

1. Press the on-line / off-line key to set the printer off-line.
2. Use the upper softkeys to scroll to the 'Language' card.



[33] The language card on the off-line screen

3. Press the softkey below the 'Language' card to toggle between the first language and the second language.

Set another language for the Océ TCS300 Settings Editor

Introduction

The language setting of the internet browser you use defines the language in which the user interface of the Settings Editor is displayed.

Note: *This language setting does not influence the language on the printer operator panel.*

Purpose

Change the language setting of the user interface of the Settings Editor.

Note: *If the selected language cannot be supported, the standard user interface language for the Settings Editor will be UK English.*

How to change the language setting in Microsoft® Internet Explorer

1. Open Microsoft® Internet explorer.
2. Select Tools menu - Internet options. The internet options window appears.
3. Make sure the General tab is selected.
4. Click the Languages button in the lower part of the window. Another window opens.
5. Select the language of your choice. A new language can be added to the list with the Add button.
6. Move the newly added language up in the list to the top position.
7. Click OK to confirm or Cancel to close both windows again.
8. Click Refresh in the toolbar or close and reopen Microsoft® Internet Explorer.

How to change the language setting in Mozilla® Firefox

1. Open Mozilla® Firefox.
2. Select the Tools menu - Options. The Options window appears.
3. Make sure you have selected the General option in the left hand part of the window.
4. Click the Languages button. Another window opens.
5. Select the language of your choice. A new language can be added to the list with the Add button.
6. Move the newly added language up in the list to the top position.
7. Click OK to confirm or Cancel to close both windows again.
8. Click Reload in the toolbar or close and reopen Mozilla® Firefox.

Configure the regional settings of the Océ TCS300

Purpose

The regional settings are configured during the installation of your Océ TCS300. If you want to change the initial configuration, you can do so in the 'Regional settings'.

Define the following settings for the printer.

- 'First language' and 'Second language' of the printer operator panel
- 'Measurement unit'
- 'Media sizes'
- 'Date format'
- 'Time format'
- 'Current date and time'

Note: *Every time you change the 'Measurement unit', the Océ Power Logic® controller recalculates the values from mm to inches and vice versa. If you repeatedly switch between this setting a slight calculation difference can occur due to rounding differences.*

How to define the regional settings

1. Select **'Preferences' - 'System defaults' - 'Regional settings'**.
2. Click a single value, for example the value selected for first language 'First language',
   or
3. Click 'Edit' in the 'Regional settings' bar to access a window for all regional settings.
4. Modify the settings. You can choose between settings that are commonly used in the USA or settings the are commonly used in the rest of the world.
5. Click 'Ok' to confirm you entries or 'Cancel' to reject your entries.

Configure the network settings of the Océ TCS300

Introduction

The system administrator is responsible for installing and configuring the Océ TCS300 in the network environment. There are two ways to configure the network settings.

- From the printer operator panel
  The off-line screen on the printer operator panel contains a wizard to configure the network settings.
- With the System Administrator settings in the Océ Settings Editor.
  The Océ Settings Editor allows you to configure a large number of system settings. The system administrator and the power user are authorised to define the system settings.

Actions in the Configure system wizard

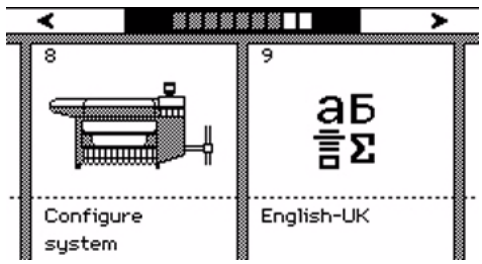
You can perform the following actions in the 'Configure system' wizard.

- Enable DHCP
- Set the IP address
- Set the IP subnet mask
- Set the default gateway
- Configure the DNS settings
- Configure the primary and secondary WINS
- Clear the set memory. (see '*Clear the set memory*' on page *161*).

The 'Configure system' wizard also contains installation settings and service settings. A password protects the installation settings and the service settings. Only Océ service engineers can access the installation settings and the service settings.

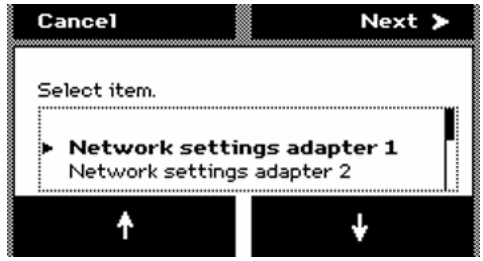
How to configure the system from the printer operator panel

1. Press the on-line / off-line key to set the printer off-line (see '*The on-line mode and the off-line mode*' on page *26*).
2. Use the upper softkeys to scroll to the 'Configure system' card.

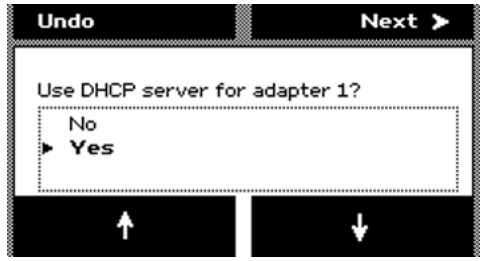


3. Press the softkey below the 'Configure system' card to enter the wizard.
   The screen displays the message 'Use this wizard to configure the system.'

4. Press the key for 'Next'.
   The screen displays the message 'Select item.'
5. Use the lower softkeys to select 'Network settings adapter 1'.



6. Press the key for 'Next'.
7. The screen displays the current settings for the selected adaptor. The system indicates which settings are received through DHCP with a round dot.
   Use the lower softkeys to scroll through the settings. Press the key for 'Edit', to change the network settings.
8. The screen displays 'Use DHCP server for adapter 1?'. Use the lower softkeys to select 'Yes' or 'No'.



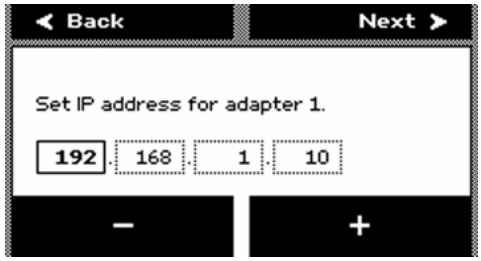
   Continue with step 9 when you select 'Yes'.
   Continue with step 10 when you select 'No'.
   Press the key for 'Undo', to cancel your settings.
9. After you select 'Yes', press the key for 'Next'.
   The wizard will lead you through a series of dialogues where you can enable DHCP or define the IP addresses for the following.
   - The default gateway
   - DNS
   - WINS.

   Press the key for 'Apply' to confirm the settings and to exit the wizard
   The system indicates whether you have to reboot the Océ Power logic controller to apply the new network settings. This can, for example, be the case when settings are received through DHCP. When no indication appears, you do not need to reboot the Océ Power logic controller.

Note: *When 'Synchronise controller power on / off' is set to 'On', you must turn the printer off and on to reboot the Océ Power Logic controller.*

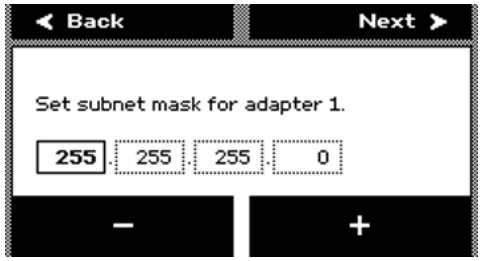
10. After you select 'No', press the key for 'Next' to manually define the network settings.

11. The screen displays 'Set IP address for adapter 1'.



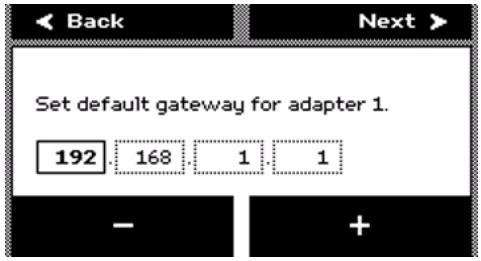
Press the keys for - and + to define the IP address.
After you finish an octet, press the key for 'Next' to go to the next octet.

12. Press the key for 'Next' after you finish the last octet. The screen displays 'Set subnet mask for adapter 1'.



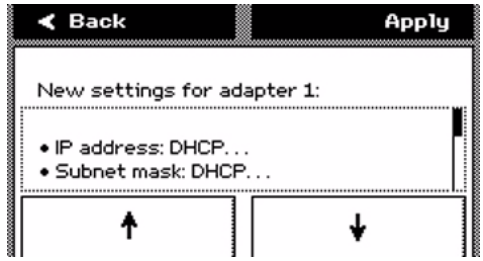
Press the keys for - and + to define the subnet mask.
After you finish an octet, press the key for 'Next' to go to the next octet.

13. Press the key for 'Next' after you finish the last octet. The screen displays 'Set default gateway for adapter 1'.



Press the keys for - and + to define the default gateway.
After you finish an octet, press the key for 'Next' to go to the next octet.

14. After you finish the last octet, the wizard will lead you through a series of dialogues where you can configure DNS, and the primary and secondary WINS.
15. After you completed these dialogues, the screen shows an overview of all the network settings.



16. The final dialogue allows you to define a password protection for the 'Configure system' wizard. You can enable the password protection to prevent accidental changes in the configuration of the system.
    The password is fixed and cannot be changed. Use the lower left (= a) and right (= b) soft keys of the operator panel to enter the password: abbab. When the password-protection is enabled, you must enter this password the next time you want to edit the network settings. You can disable the password protection again at the end of the 'Configure system' wizard.
17. Press the key 'Apply' to confirm the settings and to exit the wizard.
    The system indicates whether you have to restart the Océ Power Logic® controller to apply the new network settings. This can, for example, be the case when settings are received through DHCP. When no indication appears, you do not need to reboot the Océ Power Logic® controller.

Note: *When 'Synchronise controller power on / off' is set to 'On', you must turn the printer off and on to restart the Océ Power Logic® controller.*

How to configure the network settings in the Océ TCS300 Settings Editor

1. Click **'Configuration' - 'Network'- 'TCP/IP'**.
   You can expand or collapse the settings that belong to the 'TCP/IP' group. The expanded view displays all the settings and the values that are currently active.
2. Click 'Edit' in the group bar to access the 'Edit' window. You can edit all the settings of the 'TCP/IP' group in one window.
   or
3. To edit only one setting in the 'TCP/IP' group, click a single setting value in the expanded list.

Note: *Log on as System administrator or Power user in the Settings Editor.*

For example, click 'Enable DHCP' to display a window where you can change the setting.

Note: *This window also contains a short explanation of the setting.*

4. Click 'Ok' to confirm you entries or 'Cancel' to reject your entries.

Chapter 4
Use the Océ Settings Editor to control your workflow

Purpose of the Océ TCS300 Settings Editor

Definition

The Settings Editor is an application that runs on the embedded Océ TCS300 web server. You can use an internet browser (Microsoft® Internet Explorer 5.0, 5.5 and 6.0 and Mozilla® Firefox 1.0.) to open the home page of the Settings Editor.
This application gives you access to the settings to manage the configuration and preferences of the Océ TCS300. The settings related to the system configuration need to be configured only once. The settings that are more related to workflow preferences or an optimal tuning of the print job processing can be changed when necessary. To work with the Settings Editor you must log in using one of three predefined user roles because the settings are all password protected.

'Configuration' tab

Editable for System administrator and Power user.

The 'Configuration' tab contains the settings to manage the network and security aspects of the Océ TCS300. These settings are configured during installation and do not need frequent adjustment.

Tab	Groups
'Configuration'	■ 'Overview' Contains a summary of the settings organised in different groups. ■ 'Network' ■ 'PDLs'

'Preferences' tab

Editable for Key operator and Power user.

The 'Preferences' tab contains the settings to fine tune the processes and the performance of the Océ TCS300. You can customise the system settings to support your company's workflow and processes.

Tab	Groups
'Preferences'	■ 'Overview' Contains a summary of the settings organised in different groups. ■ 'System defaults' ■ 'Print job defaults' ■ 'Colour management' ■ 'Pen settings'

'Support' tab

Editable for System administrator and Power user.

Tab	Groups
'Support'	'About' Gives information about the system version.
	'Media' ■ Gives an overview of the media profiles that are active on the system. ■ Manages media profiles.
	'Licenses' ■ Check licenses. ■ Find information to order a new license. ■ Install a new license.

User roles and authorisations

Introduction

The settings in the Settings Editor must be configured and managed to enable the optimal performance of the Océ TCS300.
You can view all the settings in the Settings Editor but when you want to edit a setting, a message appears. This message indicates that the setting is password protected. You must log in, before you have the rights and authorisations to change a setting. Logging in requires a password.

Overview of user roles and authorisations

The table below displays the different user roles and the authorisations that belong to the role.

Role	Authorisation
Anonymous user	You have not logged on. You have read rights to all the settings. You are not allowed to edit the settings.
System administrator	You have read and write access to the settings in the 'Configuration' tab and the 'Media' manager. In addition you can also manage the 'Licenses'.In the 'Configuration' tab you find mostly IT related settings. **Note:** *You can also access the setting to change the system administrator password on the 'Preferences' tab.*
Key operator	You have read and write access to the settings in the 'Preferences' tab. In this tab you find mostly system behaviour related settings and default print job settings.
Power user	You have the combined rights of a system administrator and a key operator.

Log in as an authorised user

Purpose

In order to have read and write access for the Settings Editor, you must log in as an authorised user. There are 3 user roles, system administrator, key operator and power user who are authorised to edit the settings. You do not need to log in before you start a session. The system will only display a message when you need to log in to perform an action.

Before you begin

Access the home page of the Settings Editor. Navigate through the tabs and select the value of a setting you wish to change.

How to log in as an authorised user

1. After you click the value of the setting you want to edit, a log in window appears.
2. You can select a user role from the drop down list.

Note: *The user role with the required authorisation is already selected.*

3. Enter the password (default passwords are Key operator: KeyOp, System administrator: SysAdm, Power user: PowUsr).

Note: *For security reasons it may be useful to periodically change the password for the 3 access modes (Key operator, System administrator, Power user) to the Settings Editor.*

4. Click 'Ok' to confirm your entry.

Result

If the password is entered incorrectly, a message appears. You can enter the password again to get read and write access.

Note: *Once you have logged in, the log in lasts for the duration of the browser session. If you have not been active for more than 30 minutes, the session expires and you need to login again.*

View the settings

Purpose

Check the settings and the values that are stored when you create a back-up file.

When to do

Before you create a back-up file of the data in the Settings Editor.

Note: *Not all settings are stored in the back-up file. The network settings and the passwords are excluded from the back-up file for security reasons. License information and media profiles are not included in the back-up file either.*

How to check the settings that are stored in a back-up file

1. Click the 'Configuration' tab or the 'Preferences' tab.
2. Click 'View set' in the**top-right hand corner** of the screen. A secondary window is opened.
3. Scroll through the list of settings. The first column displays the setting and the second column displays the values. A "*"indicates that the value of the setting is different from the original default value.

How to save the settings in a back-up file

1. Click the 'Configuration' tab or the 'Preferences' tab.
2. Click 'Save set' in the**top-right hand corner** of the screen. A secondary window is opened.
3. Navigate to a location on the network to store the back-up file.
4. Save the settings<hostname of printer><date>.xml file. The file name is not fixed. You can change the name if required.
5. Click 'Ok' to confirm or 'Cancel' to close the window without storing the back-up file.

How to load a back-up file

1. Click the 'Configuration' tab or the 'Preferences' tab.
2. Click 'Open set' in the**top-right hand corner** of the screen. A secondary window is opened.
3. Navigate to a location on the network and select the back-up file.
4. Click 'Ok' to load the back-up file or 'Cancel'.
5. Restart the Océ Power Logic® controller.

Result

If you have more than one Océ TCS300 you can use the save and load functions to quickly and easily roll out the same settings for all the Océ TCS300 print systems.

Note: *You can print the information with the standard print function of your browser.*

Check your licenses

About the licenses

The 'Licenses' tab in the Océ TCS300 Settings Editor allows you to manage the licenses that are active on your system. A license is needed to activate certain functions on your Océ TCS300.

You can use the 'Licenses' tab to perform the following tasks.

- View the current active licenses.
- Get the host id of the Océ system.
- Save the active licenses.
- Perform a license activation job.
  You can activate new licenses or saved licenses.

License information overview

Click **'Support'- 'Licenses'** to view the available licenses.

You can view the license information for the following purposes.

- Check the active licenses on license state, license type and license duration.
- Check how long a demo license is valid.
- View all options available for your Océ system.
  The list of options depends on the type and version of the Océ system.
- Make a list of new options you need.
- Make a list of license numbers.

Information	Description
'Option'	This field displays the name of the option. For Océ TCS300 the following licenses are available. ■ Océ TCS300 base license. ■ Adobe® PostScript 3 / PDF. ■ Japanese PostScript fonts. ■ Simplified Chinese PostScript fonts. ■ Traditional Chinese PostScript fonts.
'State'	This field displays one of the following license states. ■ 'Authorised'. You are authorised to use the function. ■ 'Not authorised'. You are not authorised to use the function, you need to get a license for the function. ■ 'Expired'. Your license was a temporary license. You need to get a new license to use the function. ■ 'Update configuration'. This state indicates that there is a newer version of a function (e.g. more scan memory for scan-to-file).

Information	Description
'License type'	This field displays one of the following license types. ■ 'Resale'. ■ 'Demo'.
'Duration in days'	This field displays the time your license is valid.
'License number'	This field displays a license number.

Define the media sizes

Introduction

Use this setting to define the default media range.

If you want to select a new media size on the operator panel of the printer, only the sizes in the defined media series are available.
When 'Auto format' is enabled, the 'Media sizes' setting selects which sizes are used (only those available in the 'Media sizes').

Before you begin

Access the Settings Editor. The setting is editable for the key operator and the power user.

How to define the media series in the Settings Editor

1. Navigate to **'Preferences' - 'System defaults' - 'Regional settings'**.
2. Click the value for 'Media sizes' to access the edit window.

Setting	Group	Values
'Media sizes'	'DIN'	A0, A1, A2, A3, A4, E+ (36 inch), ISO B1, ISO B2
	'DIN carto'	A0, A1, A2, A3, A4, E+ (36 inch), 500 mm, 700 mm
	'ANSI small'	E, D, C, B, A, E+ (36 inch), 30 inch
	'ANSI mixed'	E, D, C, B, A, E+, D+, C+, B+, A+, 30 inch

3. Click 'Ok' to confirm your entries or 'Cancel' to reject your entries.

Configure the 'Media request time-out'

Introduction

The printer operator panel displays a media request when a media is requested that is not available. When this setting is disabled, the media request will be displayed until it is resolved.

Note: *When enabled, the printer deletes the job when the media request is not resolved within a given period.*

When to do

Enable the setting and define a suitable time-out period that does not interfere with the print productivity. To avoid the deletion of jobs, disable this setting.

How to configure the 'Media request time-out'

1. Click **'Preferences' - 'System defaults'- 'Timers'**.
2. Click 'Edit' in the 'Timers' bar or click the value of the 'Media request time-out' setting.
3. When you enable the setting, you must enter a time period as well. If you choose to disable the setting, the time period will not be adjustable.
4. Click 'Ok' to confirm you entries or 'Cancel' to reject your entries.

Manage the media profiles

Introduction

The quality of your printed output is greatly influenced by the media type that you select. Therefore, it is important to make sure that the media related settings of your system are set to generate an optimal print result.

You can set the media related settings in the following places.

- Print job submission applications:
  Select a media type and media format.
- Printer operator panel:
  Define the media types and formats available on the printer.
- Printer:
  Load the correct media.
- Settings Editor:
  Check the availability of the required media profiles and / or retrieve the correct media profile on the corporate web site www.oce.com.

The Settings Editor allows you to manage the media profiles on the printer.

Before you begin

This setting is editable for the Key operator or Power user.

How to check the media profiles

1. Click **'Support' - 'Media'**
2. Find the media type in the list of supported media types.
3. Click the media type, for example 'Standard paper', to check the settings of the required media profile.

Result

If you are not sure that you have the latest version of the media profile, you can click the hyperlink at the top of the page to access the media profiles download page on the corporate web site. Check the date of the media profile of your choice and if necessary update the media profile in the Océ TCS300 Settings Editor. More information about the media profiles is available in the 'Work with media profiles' section of the on-line help.

Download a media profile from the Océ web site

When to do

When a new media profile is available or an existing media profile needs to be updated you can retrieve the required media profile from the corporate web site. The next step is to upload the media profile to the Océ TCS300 Power Logic® controller.

How to download a media profile from the Océ web site

1. Access the corporate web site in your internet browser: www.oce.com
2. Click Support and Downloads - Downloads - Colour profiles - Product: choose Océ TCS300.
3. Download the correct zip file to a location on your workstation.
4. Extract the files in the zip file.
   The zip file contains at least an instruction file how to handle the media profiles.
5. Follow the steps described in the instruction file.

Result

The zip file is stored on the workstation. If you have problems downloading the file, please contact the Océ Helpdesk.

Update a media profile

When to do

When you have downloaded the zip file you need to upload the media profile to update the previous media profile.

Before you begin

Extract the contents of the zip file to a folder. See the instruction file you downloaded with the media profile.
This setting is editable for the System administrator or Power user.

How to update a media profile

1. Click **'Support' - 'Media'**.
2. Click the check box of the media profile you want to update.
3. Click the 'Update' button in the toolbar above the media profiles list.
4. Click Browse to navigate to the correct file on your workstation.
5. Select the media profile and click Upload or 'Cancel'.
6. Reboot the system after the upload of the file is completed.

Result

A warning message appears to inform you of the consequences for the print jobs. The file is stored on the Océ Power Logic® controller. The new file is visible in the media profile list on the 'Media' tab.

Note: *If an older version of the file was active on the controller, this file will be overwritten by the new file.*

Set up unattended / overnight printing optimisation

Introduction

The Océ TCS300 has the possibility to print unattended, for example outside office hours. To use this option, navigate to 'Preferences'- 'System defaults' - 'Calibration' to change the setting 'Overnight printing optimisation' in the Océ Settings Editor. When the setting 'Overnight printing optimisation' is set to 'On', the system will automatically perform checks, after the selected number of prints, to ensure a consistent output quality. For each check, the system uses approximately 25 centimetres of the loaded media roll.

Set up overnight printing

The setting 'Overnight printing optimisation' has the following options.

Setting	Function
'Off'	The system will not check the output quality.
'On' Recommended value: 100	The system checks for failing printhead nozzles and corrects the alignment. You can define the number of prints after which the system automatically does a check.

Calibration is only possible when one of the following media types (minimal media size is A0) is loaded on the system. If you use another media size or a media type not mentioned in the list below, the system will display an error message.

- Draft paper
- Standard paper
- Premium coated paper
- Bond
- Coated bond
- Matt photo paper
- High gloss photo paper
- Deluxe bond
- Recycled plain paper
- Plain paper coated

Note: *When these media types are not available on the system, the check is delayed until the next time a print is made on one of these media types.*

Chapter 5
Print jobs to the Océ TCS300

What you need to know before you send your print jobs

Definition

Before you send print jobs to the Océ TCS300, remember the following.

- The values defined in the Océ Settings Editor are default values for the general system behaviour. You can define a number of job settings in the printer drivers or the job submission tools. The settings defined in the printer drivers or the job submission tools always overrule the settings defined in the Océ Settings Editor.
- Make sure that you define the correct quality mode for your job (see '*The quality modes*' on page *83*).
- Make sure that you define the correct media type for your job (see '*Recommended media types and quality modes*' on page *85*).
- Make sure that you define the correct job settings. For example, orientation, rotation, and media type.

Note: *When the requested media type is not available on the printer, the printer will give a media request. Depending on the 'Media request time-out' settings in the Océ Settings Editor ((see 'Configure the 'Media request time-out'' on page 63)), the printer waits until the media is loaded or the print job will be deleted after the time-out has expired.*

Send print jobs to the Océ TCS300

You can send your print jobs to the Océ TCS300 in various ways. The default configuration of the Océ TCS300 includes the following options to send a print job.

- Océ Windows® printer driver
- Océ PostScript® driver
- Océ HDI driver
- FTP
- LPR

The jobs are sent directly to the printer.

Note: *The settings defined in the printer drivers or the job submission tools always overrule the settings defined in the Océ Settings Editor.*

Use the printer drivers to send jobs to the Océ TCS300 printer

Introduction

The Océ TCS300 printer is delivered with a driver pack CD-ROM. You can also download the latest Océ drivers, free of charge, from our Web site www.oce.com.

With these drivers PC users can access the Océ TCS300 printer remotely from their applications, to print their files.

Note: *More information about how to install, configure and use the drivers is available in the documentation provided with the drivers.*

Available printer drivers

(see '*Specifications drivers and job submission software*' on page *175*) for a list of the available printer drivers that you can use to print files from your software applications.

Note: *Please check www.oce.com, section* ***drivers*** *for the latest driver-updates.*

Use FTP to send jobs to the Océ TCS300

Introduction

The Océ TCS300 supports printing through FTP.

You can print the files through FTP in the following ways.
- Via a command line prompt
- Via n FTP application
- From a Web browser

The Océ TCS300 has a dedicated FTP Jobs folder. You cannot delete or change this folder. It is created at installation and protected. The most convenient way to print files through FTP is to drag and drop the files or to copy and paste the files, into this 'Jobs' folder on the FTP site of your Océ TCS300 controller. The documents in the folder are printed on the Océ TCS300.

Web browsers that support job submission through FTP

Level of functionality	Web browser	Operation
Supports drag and drop of files	Microsoft® Internet Explorer 5.5. Mozilla® Firefox® 1.0 and 1.5.	Drag the jobs into the 'Jobs' folder on the FTP site of your Océ TCS300.
Supports copy and paste of files.	Microsoft® Internet Explorer 5.5. Mozilla® Firefox® 1.0 and 1.5.	Paste the jobs into the 'Jobs' folder on the FTP site of your Océ TCS300.

Stop or delete an active job

Introduction

This section describes how to 'Stop' or 'Delete' an active job on the printer operator panel.

How to 'Stop' or 'Delete' an active print job on the printer operator panel

1. Press the 'Stop' key on the printer operator panel.
   The printer stops immediately.
   A dialogue box on the screen asks the user to 'Resume' or 'Stop' the job.
   When you do not select an option, the printer automatically continues the printing after 5 minutes.

2. Use the lower softkeys to indicate if you want to 'Resume' or 'Stop' the job.
3. If you select 'Resume' the printer continues to print the job.
4. If you select 'Stop' the active job is permanently deleted.

Note: *When you delete a job, the drying is not skipped. Press the key for 'Skip drying' to cancel the drying during the drying time. You can use the 'Feed & cut' wizard to cut the output.*

Handle the media for the print jobs

Define the correct media for your jobs

Definition

To achieve optimal output quality, make sure that you load and define the correct media type on the printer.

You can use the 'Change media type' wizard, to load a media roll and to change the media type defined on the system.
Make sure you define the correct media type for your job. Make sure the media type and the media format defined in your job is available on the printer.

Define the correct media on the printer and the correct settings in the job submission tools to set the Océ TCS300 for productive use or high output quality.

When productivity with different media sizes is the most important requirement.	
1	Load and define 2 or 3 media rolls on the printer with different media sizes and the same media types.
2	Use the 'Landscape' orientation to print a job on a media size that is one size smaller than the media defined on the system. For example, A1 prints in landscape on A0 and A2 prints in landscape on A1. You are not required to cut the media by hand.
3	Use the 'Auto rotate' setting in the Océ Settings Editor or the job submission tools to rotate the orientation automatically.

Note: *The above procedure is based on DIN media sizes. You can also use this procedure with ANSI media sizes.*

When productivity is the only important requirement.	
1	Load and define two media rolls on the printer with the same media sizes and the same media types. **Note:** *When roll 1 is empty, the printer switches automatically to roll 2. You can load a new roll while the printing process continues.*

When the output quality is the most important requirement.	
1	Load and define 2 or 3 media rolls on the printer with the same media sizes and with different media types.
2	Select the media types you define based on the output quality you require.

Change the default drying time

Introduction

You can change the drying time with a percentage of the default drying time. For example, when you set the default drying time for Premium coated paper, under the conditions used in the table describing the typical drying times, to 200 the drying time will be 0'40".

Before you begin

This setting can be edited by the system administrator or the power user.

How to change the default drying time

1. Access the home page of the Océ Settings Editor.
2. Navigate to **'Support' - 'Media'**.
3. Select the required media type from the media list and click 'Edit'.
   A window appears where you can change the 'Drying time correction' of the media type.
4. Define the required percentage.
5. Confirm or cancel the changes you made.

Note: *See (see 'Typical drying times' on page 173) to get an overview of the typical drying times per media type.*

Cut the output and clean cut a roll of media

Introduction

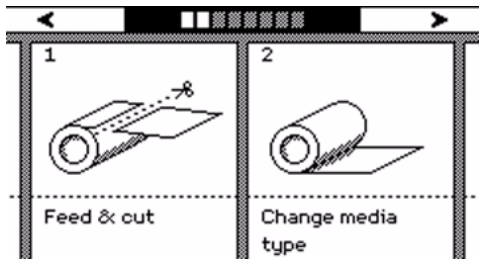
The off-line screen of the printer operator panel contains the 'Feed & cut' wizard that helps you do the following.

- Cut the output.
- Clean cut a roll of media. Use this option to cut the roll so that the edge is straight.

Note: *You can only use the 'Feed & cut' wizard to cut the output when 'Automatic media cut' is disabled in the Océ Settings Editor. When 'Automatic media cut' is enabled in the Océ Settings Editor, the system automatically cuts the output.*

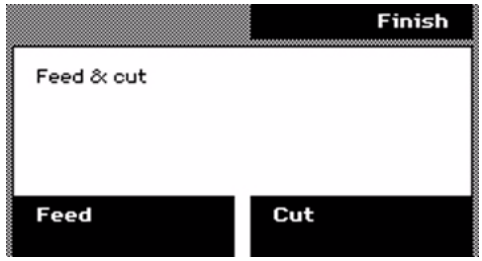
How to use the Feed & cut wizard to cut the output.

1. Press the On-line / off-line key to set the printer off-line.
2. Use the upper softkeys to scroll to the 'Feed & cut' card.



3. Press the softkey below the 'Feed & cut' card to enter the wizard.
   The screen displays the message 'Preparing Feed & cut...'. The system prepares for the feed and cut. This can take between 0 and 20 seconds.

4. Press the key for 'Feed' to feed the output in steps of 5 cm.



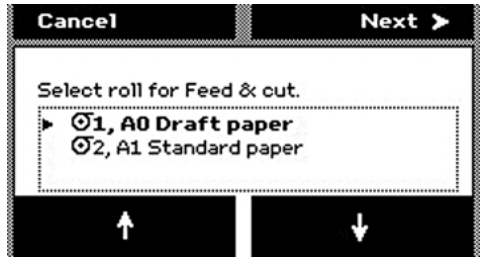
5. Press the key for 'Cut' to cut the output.

When you do not require to cut the output, press the key for 'Finish' to return to the on-line screen.
After you select 'Cut', the system returns to the on-line menu.

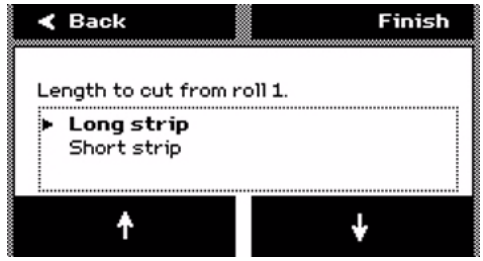
How to use the Feed & cut wizard to clean cut a roll of media

1. Press the On-line / off-line key to set the printer off-line.
2. Use the upper softkeys to scroll to the 'Feed & cut' card.
3. Press the softkey below the 'Feed & cut' card to enter the wizard.
   - When multiple rolls are available on the system, the screen displays the message 'Select roll for Feed & cut.'
   - When 1 roll is available on the system, the wizard moves directly to the 'Cut' screen.

4. The screen displays the message 'Select roll for Feed & cut.' Use the lower softkeys to select a media roll to clean cut.

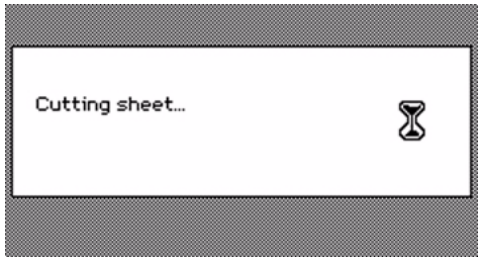


5. Press the key for 'Next' to continue. The screen displays the message 'Length to cut from roll '



6. Use the lower softkeys to select the cut length option. Select one of the following.
   - 'Long strip'
     Feeds the media with a full roll rotation feed (50 cm) before the printer cuts the media.
   - 'Short strip'
     The printer automatically cuts the media with the least possible media waste (20 cm).

7. Press the key for 'Finish' to confirm the settings. The screen displays the message 'Cutting sheet...'.



After the sheet is cut, you automatically exit the wizard.

Chapter 6
Ensure the best output quality

Introduction how to ensure the best output quality

Introduction

This chapter describes how to make sure you have the best quality for your print jobs.

- The Océ TCS300 offers several methods that help you to define the best print mode for your job. These methods are described in the **Define the output quality** section of this chapter.
- The Océ TCS300 has 3 methods that help you to identify and analyse changes in the output quality, the 'Quality check' print, the 'Tone scale area check' print, and the 'Demo print'. The **Check the output quality** section of this chapter describes these 3 methods.
- When you find problems with the output quality, the **Optimise the output quality** section of this chapter helps you to correct the problems.

To optimise the colours of your printed output, you can adjust the Colour Management settings. The **Colour Management** section of this chapter gives an overview of these Colour Management settings.

When to do

Only do actions to optimise the output quality based on the information supplied in the 'Check the output quality' section.

When you are not satisfied with the output quality, use the following procedure

1. Make sure that you loaded and defined the **correct media type** on the printer.
   Use the 'Change media type' wizard to change the media type defined on the system. (see '*Replace the media*' on page *132*).
   Also make sure you defined the correct media type for your job.
2. Make sure you defined the **correct output mode** for your job. (see '*Introduction how to ensure the best output quality*' on page *82*).
3. When you have defined the correct media and the correct print mode, and you are still not satisfied with the output quality, use the wizards to achieve optimal output quality. (see '*Optimise the output quality on the printer*' on page *116*).
4. Use the prints generated by the 'Quality check' print, the 'Tone scale area check' print and the 'Demo print' to evaluate the quality of the prints and the colours.

Define the output quality

The quality modes

Introduction

The Océ TCS300 enables you to select the correct quality mode for your output requirements. You can define the required quality mode in the printer driver. You can define the default quality mode in the Océ Settings Editor.

The Quality modes

Use these modes to define the output quality. You can select the following.

[31] The output quality

Quality mode	Function
'Check'	The print speed is maximum. This quality mode is used for fast printing of (line) drawings with good output quality. For other types of jobs, like print jobs with area coverages, you can use this quality mode to check if all the information is visible on the printed output. For these print jobs the output quality is good.
'Release'	The print speed is very high. This quality mode is best for drawings, very good for images and provides a good combination of output quality and productivity. In this quality mode the printer will automatically optimise the print quality and the productivity based on the file content. Drawings will be printed twice as fast as images, resulting in optimal productivity and quality for most customers. The Océ TCS300 further offers **Dynamic switching Technology**. In case a print job has mixed contents (drawings and images), the printer will adjust the print quality and the productivity automatically during the print process, without customer intervention.
'Presentation'	Select this quality mode if you need the best possible output quality. Especially for images, posters. The print speed is high.

Output type, output quality and print speed

Introduction

The type of your printed output depends on the following parameter.

- The colour mode ('Greyscale' / 'Colour')

The quality of your printed output depends on the following parameters.

- The media type
- The quality mode
- The print speed
  The lower the print speed, the better the output quality.

The following table describes the relation between these parameters.

The relation between the output type and the quality parameters

[32] The relation between the output quality parameters

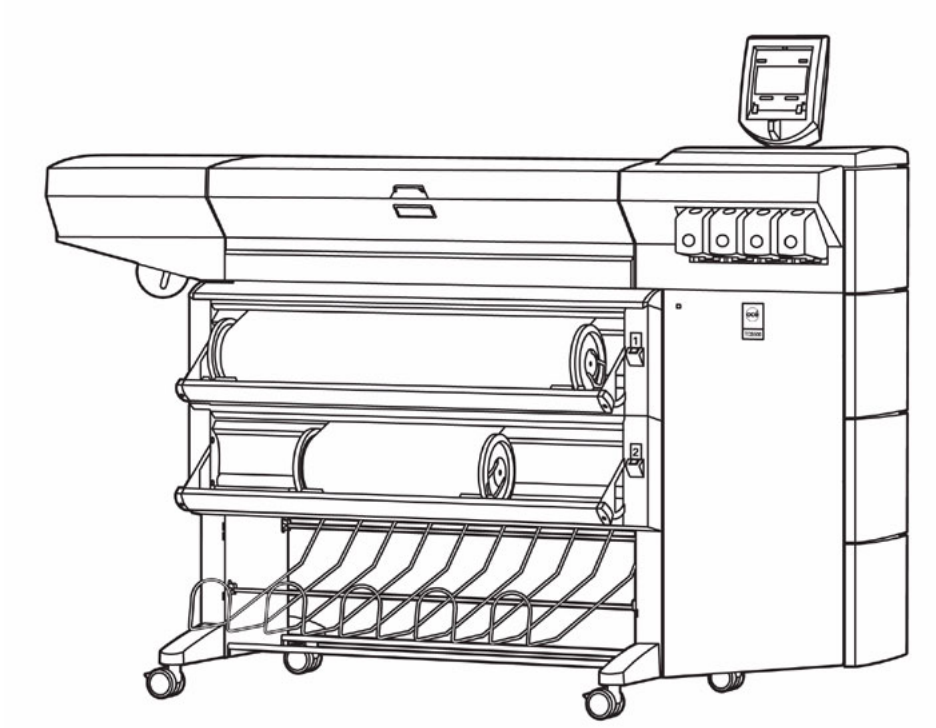
Colour mode	Quality mode	Print speed for all media (per A0, not including the drying time and the processing time) (minutes' seconds'')
'Greyscale'	'Check'	0'41"
	'Release'	Between 1'00" and 3'40", dependant on file content (the printer automatically optimises between print quality and productivity.
	'Presentation'	3'40"
'Colour'	'Check'	1'03"
	'Release'	Between 3'05" and 6'15", dependant on file content (the printer automatically optimises between print quality and productivity.
	'Presentation'	9'15"

Recommended media types and quality modes

Introduction

The selection of the media and the quality modes depends on the application of the output. The tables give you an idea of which media type and quality modes to use in a work process.

CAD drawings - Greyscale

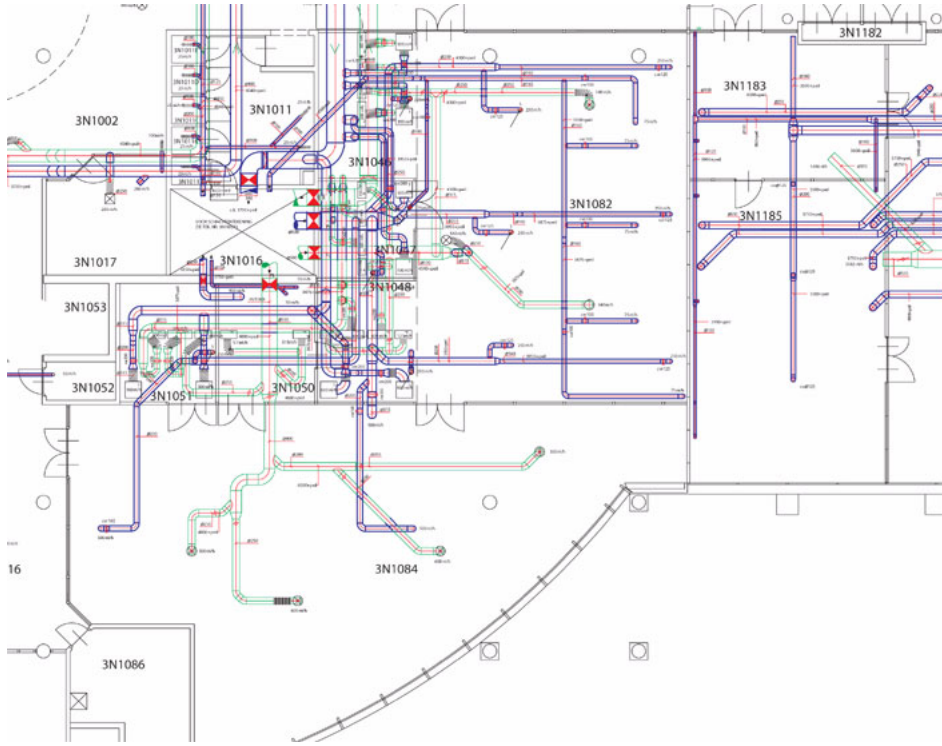


[48] Example 2D CAD monochrome drawing

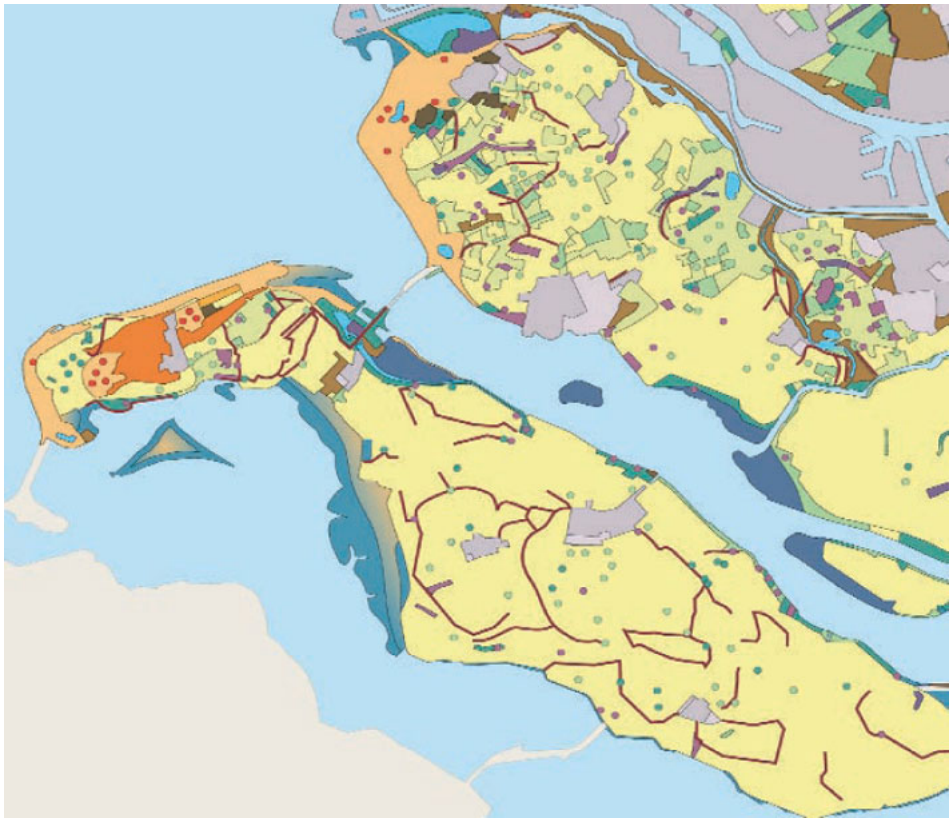
[33] CAD drawings - Greyscale

When to use	Recommended media type	Recommended Quality mode
To check a drawing	Draft paper Standard paper Tracing paper Bond Translucent bond	'Check' 'Release'
To release a drawing	Draft paper Standard paper Tracing paper Premium coated paper Matt film Bond Translucent bond Deluxe bond	'Release'
To present a drawing	Draft paper Standard paper Tracing paper Premium coated paper Matt film Bond Translucent bond Deluxe bond	'Release'
To archive a drawing	Matt film Color vellum	'Release'
Diazo	Tracing paper Matt film Translucent bond Color vellum	'Release'

CAD and GIS drawings - Colour



[49] Example 2D CAD colour drawing



[50] Example GIS map

[34] CAD and GIS drawings - Colour (1 – 2)

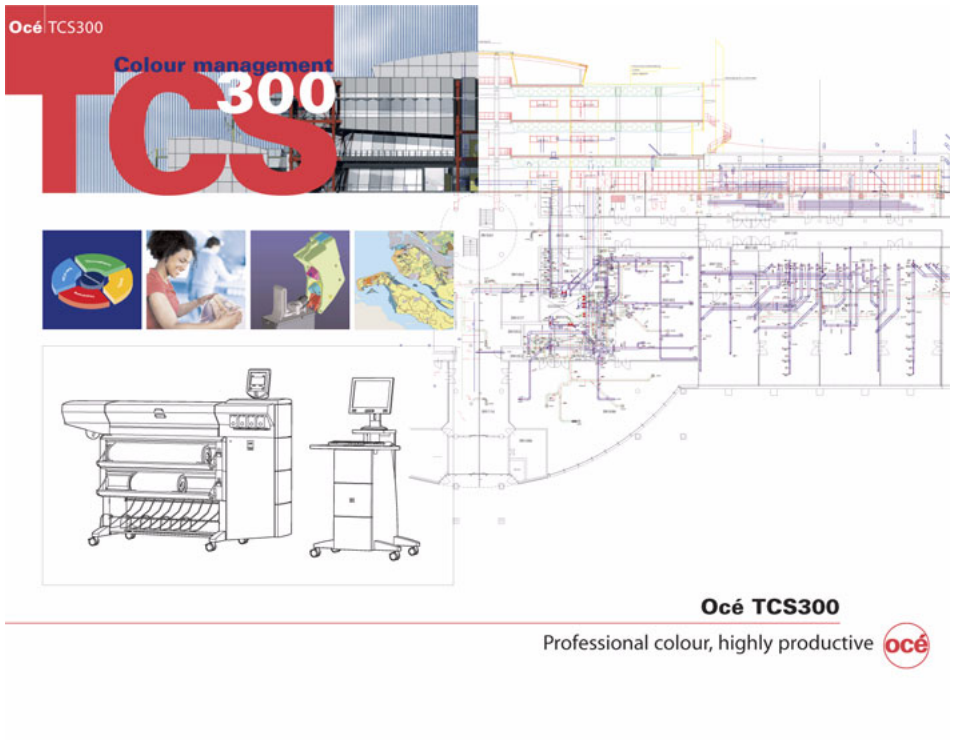
When to use	Recommended media type	Recommended quality mode
To check a drawing	Draft paper Standard paper Tracing paper Bond Translucent bond	'Check'
To release a drawing	Draft paper Standard paper Premium coated paper Matt film Bond Deluxe bond	'Release'

[34] CAD and GIS drawings - Colour (2 – 2)

When to use	Recommended media type	Recommended quality mode
To present a drawing	Draft paper Standard paper Premium coated paper Matt film Bond Coated bond	'Release'
To archive a drawing	Matt film	'Release'

CAD and GIS drawings - Colour (high density)

[51] Example photo realistic impression



[52] Example drawing with mixed content

[35] CAD and GIS drawings - Colour (high density)

When to use	Recommended media type	Recommended quality mode
To release a drawing	Premium coated paper High gloss photo paper Photo matt paper	'Release'
To present a drawing	Premium coated paper High gloss photo paper Photo matt paper	'Release' 'Presentation'

Logo and Business graphics - Colour

[53] Example of logo

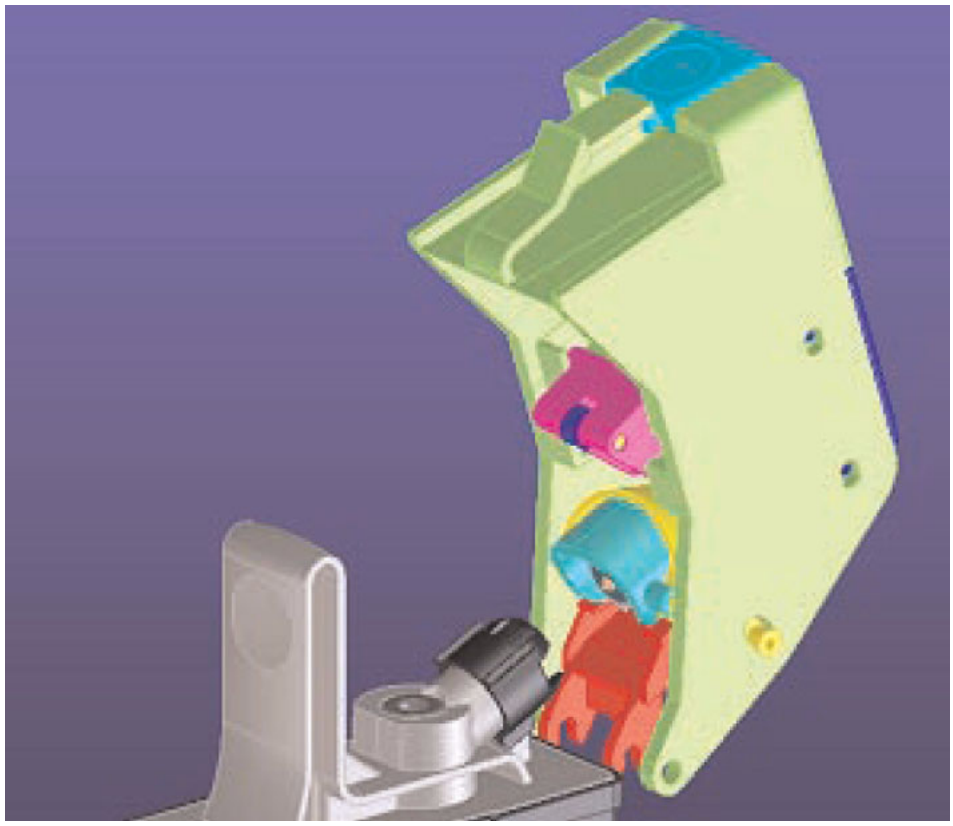
[54] Example business colour

[36] Logo and Business graphics - Colour

When to use	Recommended media type	Recommended quality mode
To release a document	Premium coated paper High gloss photo paper Photo matt paper	'Release'
To present a document	Premium coated paper High gloss photo paper Photo matt paper	'Release' 'Presentation'

Business graphics and 3D CAD - Colour

[55] Example of business graphics



[56] Example of 3D CAD drawing with rendering

[37] Business graphics and 3D CAD - Colour

When to use	Recommended media type	Recommended quality mode
To release a document	Premium coated paper High gloss photo paper Photo matt paper	'Release'
To present a document	Premium coated paper High gloss photo paper Photo matt paper	'Release' 'Presentation'

Photos - Colour

[57] Example of a photo

[38] Photos - Colour

When to use	Recommended media type	Recommended quality mode
To release a photo	High gloss photo paper Photo matt paper	'Release'
To present a photo	High gloss photo paper Photo matt paper	'Release' 'Presentation'

Colour Management

Define the colour settings

Priorities in the colour settings

When you want to print a document in colour on the Océ TCS300 the colour information that is defined in the files can be set in the different steps of the process from document creation to document production. In order to get the best output results you need to be aware of these methods to define the colour information of the document you want to print.

The colour information that you can create in the various steps described below each have a different priority. When you create a document that you want to print in colour, the priority of the colour settings is also illustrated in the table below.

Stages in the process of making a colour print	Priority
Document The colour settings are already embedded in the document (only applicable for PDF files).	1
Application The colour settings can be defined in the application that you use to create or edit the document. You can set the following parameters in the application. ■ Set colour or black and white. ■ Define the input profile, RGB input data or CMYK input data (see *''Enhanced colours: RGB input data"* on page *101*) (see *''Enhanced colours: CMYK input data"* on page *102*) (you cannot correct this for a PDF file) ■ Define the rendering intent (see *''Enhanced colours: Rendering intent"* on page *103*) **Note:** *You can only overrule the colour settings of a PDF file with an Adobe® application such Adobe Acrobat® for example.*	2

Stages in the process of making a colour print	Priority
Printer drivers The (Océ Windows printer driver) offers colour management settings. You can select the required colour management settings in the driver or you can indicate to use the printer's default settings. Make sure the colour settings do not conflict with the colour settings that may be set in another stage of the process. **Note:** *The Océ HDI driver and the PostScript® driver do not support the settings for colour management. With the drivers you can only indicate to use the default printer settings for colour management. In this case the printer will use the colour settings for the HP-GL path defined in the Océ Settings Editor.*	3
The Océ Settings Editor offers 3 default paths for colour settings, based on the file type of the document: ■ HP-GL path ■ TIFF path ■ PostScript/PDF path These settings are applied when the controller cannot recognise or detect any colour settings for the file to be printed.	4

Note: *It is advised to align the colour management settings that have been made in the different stages before you start the print job. The colour space of the document and the settings for the print have to match. This means that if you have set the colour settings in more than 1 stage of the process described above, you must check if the colour settings do not counteract with eachother.*

Job submission-file type-colour management settings

The way in which you submit a print job to the printer defines in most cases the file type of the document. If you use a printer driver, the original file type will be changed by the driver into a standard file type. The printer checks the file type of the document and based on the file type the printer applies the default colour management settings of the Océ Settings Editor.

If you use FTP or LPR to send a job to the printer, the file type is not changed. The file is sent to the printer the way in which it was saved in the application you used to

create or edit the file. If there is no embedded colour profile present in the document, the printer checks the file type of the document and based on the file type the printer applies the default colour management settings of the Océ Settings Editor.
If you want to use the embedded colour profile for your print job (for example, embedded profile created with Adobe® Illustrator) you can choose between 2 options. You can use the WPD driver where you can indicate to follow the colour settings managed by the application. You can also send the job via FTP or LPR. If the controller can recognise the embedded colour profile, it will be applied. If the embedded colour profile cannot be recognised, the controller applies the default colour settings managed by the Océ Settings Editor.

The table below gives an overview of the relation between the job submission method, the file type and the colour management settings

Job submission method	File type	Colour management settings
Windows printer driver	The driver converts all files into HP-GL/2	You can define the colour settings in: ■ The printer driver. ■ The Océ Settings Editor, by choosing the printer's default in the driver settings. ■ The application, by choosing the setting 'None, managed by application' in the driver
HDI printer driver	The driver converts all files into HP-GL/2	You can define the colour settings only in the Océ Settings Editor, the driver has no colour settings and uses the printer's defaults for colour jobs. You can adjust the default colour settings for the HP-GL path in the Settings Editor, since the HDI driver converts all the files into HP-GL/2

Job submission method	File type	Colour management settings
PostScript® printer driver	The driver converts all files into PostScript/PDF	You can define the colour settings in: ■ The Océ Settings Editor, the driver has no colour settings and uses the printer's defaults for colour jobs. You can adjust the default colour settings for the PostScript/PDF path in the Settings Editor, since the driver converts all the files into PostScript/PDF.
LPR/FTP	The documents are sent to the printer without being converted to another file type. The controller recognises the following file types. ■ Vector: HP-GL, HP-GL/2, CalComp ■ Raster: HP-RTL, TIFF 6.0, NIFF, CALS-I, NIRS, C4, ASCII ■ PostScript/PDF	Depending on the file type of the job, the default settings of one of the 3 file type paths is used in the Océ Settings Editor when there is no embedded colour profile present in the file. Use the Settings Editor to adjust the colour settings for the print job.

'Colour feel'

Path: **'Preferences'- 'Colour management'- 'For HP-GL, HP-GL/2 and HP-RTL files'**

Path: **'Preferences' - 'Colour management'- 'For TIFF files'**

Path: **'Preferences'- 'Colour management' - 'For PostScript and PDF files'**

One of the options you have to finetune your output quality is to adjust the 'Colour Management' settings.
With the 'Colour Management' setting 'Colour feel' you can finetune the **look and feel** of the printed colours.

Note: *You can select the 'Colour feel' setting for each input 'File type' ('HP-GL, HP-GL/2, HP-RTL' / 'TIFF' / 'PostScript®, PDF').*

[41] Overview of the 'Colour feel' settings.

'Colour feel'	Description
'Océ CAD colours'	This setting gives bright saturated colours. Advised for: line and vector drawings.
'Océ enhanced colours'	This setting gives photo-realistic colours. Advised for: photos or graphic art presentations. If you select 'Océ enhanced colours' you can also adjust the advanced Colour Management settings. ■ 'Enhanced colours: RGB input data' ■ 'Enhanced colours: CMYK input data' (only for 'File type"PostScript®, PDF') ■ 'Enhanced colours: Rendering intent'
'Simulated Océ TCS400 CAD colours'	Use this setting to get a print with colours similar to the Océ TCS400 printer.
'Simulated non-Océ printer: vivid colours'	Use this setting to get a print with colours similar to a non-Océ printer, that prints vivid colours.
'Simulated non-Océ printer: match screen colours'	Use this setting to get a print with colours similar to a non-Océ printer, that prints match screen colours.
'Simulated non-Océ printer: no colour correction'	Use this setting to get a print with colours similar to a non-Océ printer, that prints without colour correction.
'None, managed by application'	Use this setting if your colour management is completely done by the application that generated the print file.

'Enhanced colours: RGB input data'

Path: **'Preferences'- 'Colour management'- 'For HP-GL, HP-GL/2 and HP-RTL files'**

Path: **'Preferences' - 'Colour management'- 'For TIFF files'**

Path: **'Preferences'- 'Colour management' - 'For PostScript and PDF files'**

One of the options you have to finetune your output quality is to adjust the 'Colour Management' settings.
If the 'Colour Management' setting 'Colour feel' is set to 'Océ enhanced colours' you can define the 'Enhanced colours: RGB input data' setting. This setting specifies the source colour space for printing RGB images, objects and text and allows the Océ TCS300 to select the best conversion from the source's RGB-colour space to the printer's CMYK colours (colour mapping).

Note: *You can select the 'Enhanced colours: RGB input data' setting for each input 'File type' ('HP-GL, HP-GL/2, HP-RTL' / 'TIFF' / 'PostScript®, PDF').*

[42] Overview of the 'Enhanced colours: RGB input data' settings.

'Enhanced colours: RGB input data'	Description
'sRGB'	This setting specifies the source space of a generic computer monitor.
'Adobe RGB'	This setting specifies an RGB colour space developed by Adobe in 1998.

'Enhanced colours: CMYK input data'

Path: **'Preferences'- 'Colour management' - 'For PostScript and PDF files'**

One of the options you have to finetune your output quality is to adjust the 'Colour Management' settings.
If the 'Colour Management' setting 'Colour feel' is set to 'Océ enhanced colours' you can define the 'Enhanced colours: CMYK input data' setting. This setting simulates printing to an offset press standard.

Note: *You can only select the 'Enhanced colours: CMYK input data' setting for the 'File type"PostScript®, PDF'.*

[43] Overview of the 'Enhanced colours: CMYK input data' settings.

'Enhanced colours: CMYK input data'	Description
'Euroscale coated'	This setting uses an offset press standard often used in Europe for printing separations and proofs on coated media.
'Euroscale uncoated'	This setting uses an offset press standard often used in Europe for printing separations and proofs on uncoated media.
'US web coated (SWOP)'	This setting uses an offset press standard often used in the US for printing separations and proofs on coated media.
'US web uncoated'	This setting uses an offset press standard often used in the US for printing separations and proofs on uncoated media.

Note: *In most cases the default setting as defined in the Océ Settings Editor gives the best result ('Euroscale coated' for Europe and Asia, 'US web coated (SWOP)' for the USA).*

'Enhanced colours: Rendering intent'

Path: **'Preferences'- 'Colour management'- 'For HP-GL, HP-GL/2 and HP-RTL files'**

Path: **'Preferences' - 'Colour management'- 'For TIFF files'**

Path: **'Preferences'- 'Colour management' - 'For PostScript and PDF files'**

One of the options you have to finetune your output quality is to adjust the 'Colour Management' settings.
If the 'Colour Management' setting 'Colour feel' is set to 'Océ enhanced colours' you can define the 'Enhanced colours: Rendering intent' setting. Use this setting if the colour space that your print file was made in does not fully comply with the colour space of the printer (colour conversion).

Note: *You can select the 'Enhanced colours: Rendering intent' setting for each input 'File type' ('HP-GL, HP-GL/2, HP-RTL' / 'TIFF' / 'PostScript®, PDF').*

[44] Overview of the 'Enhanced colours: Rendering intent' settings.

'Enhanced colours: Rendering intent'	Description
'Perceptual (photo)'	This setting optimises the output to produce best results for photographic or scanned images.
'Saturation (business graphics)'	This setting optimises the output of bright, saturated colours.
'Absolute colorimetric'	This setting provides the highest accuracy in rendering RGB colours into CMYK colours, including rendering the source's white. **Note:** *The slightly bluish cast of the monitor background might be noticeable as bluish white in the lightest tones of the printed output. A slight yellow tone can occur in the white tones of a PDF/TIFF original or an HP-GL type document.*
'Relative colorimetric'	This setting provides a high accuracy in rendering RGB colours into CMYK colours, but maps the source's white to the media's white point, so that any monitor background colour cast is eliminated. Though the printed output will be colourful, this setting may lead to a loss of contrast in the dark areas. This setting is advised for business graphics when 'Saturation (business graphics)' does not give the required result. **Note:** *If you generate a colour scan-to-file job in TIFF format on an Océ TCS400, an Océ TCS500 or an Océ TDS450, 'Perceptual (photo)' gives the best result.*

Note: *It is advised to use the default setting ('Perceptual (photo)') as specified in the Océ Settings Editor or 'Relative colorimetric' to get the best overall result.*

'Colour Management' in the Océ Settings Editor

Path: **'Preferences' - 'Colour management'**

Depending on the type of file you want to print, the Océ TCS300 offers different default colour-information conversions in the Océ Settings Editor. You can select the 'Colour Management' settings, that give the best results for the colour-information conversion.
The tables below give an overview of the possible 'Colour Management' settings per 'File type'. The default settings in the Océ Settings Editor are emphasised.

The 'Colour Management' settings described in the following pages are available in two places:

- As default settings in the Océ Settings Editor, to be used for jobs that do not have any colour information in the job ticket.
- As individual job settings in the available Océ Windows printer driver during the creation of a print job. The settings are stored in the job ticket.

File types and colour management settings

The file type of your document is very important when you want to print a colour file that has no special colour information in the job ticket. Depending on the file type the Océ Settings Editor applies one of three sets of predefined colour settings to get an optimal result for the print job.

File type: Vector ('HP-GL, HP-GL/2, HP-RTL')

[45] Overview 'Colour Management' settings for 'HP-GL, HP-GL/2, HP-RTL' files. (1 – 2)

Basic setting 'Colour feel'	**Advanced settings**	
'Océ CAD colours'	-	-
'Océ enhanced colours'	'Enhanced colours: RGB input data'	■ 'sRGB' ■ 'Adobe RGB'
	'Enhanced colours: Rendering intent'	■ 'Perceptual (photo)' ■ 'Saturation (business graphics)' ■ 'Absolute colorimetric' ■ 'Relative colorimetric'

[45] Overview 'Colour Management' settings for 'HP-GL, HP-GL/2, HP-RTL' files. (2 – 2)

Basic setting 'Colour feel'	**Advanced settings**
Simulated printer	'Simulated Océ TCS400 CAD colours' 'Simulated non-Océ printer: vivid colours' 'Simulated non-Océ printer: match screen colours' 'Simulated non-Océ printer: no colour correction'
'None, managed by application'	-

File type: Bitmap ('TIFF')

[46] Overview 'Colour Management' settings for 'TIFF' files

Basic setting 'Colour feel'	**Advanced settings**	
'Océ CAD colours'	-	-
'Océ enhanced colours'	**'Enhanced colours: RGB input data'**	■ **'sRGB'** ■ 'Adobe RGB'
	'Enhanced colours: Rendering intent'	■ **'Perceptual (photo)'** ■ 'Saturation (business graphics)' ■ 'Absolute colorimetric' ■ 'Relative colorimetric'
Simulated printer	'Simulated Océ TCS400 CAD colours' 'Simulated non-Océ printer: vivid colours' 'Simulated non-Océ printer: match screen colours' 'Simulated non-Océ printer: no colour correction'	
'None, managed by application'	-	

File type: PostScript ('PostScript®, PDF')

[47] Overview 'Colour Management' settings for 'PostScript®, PDF' files.

Basic setting 'Colour feel'	**Advanced settings**	
'Océ CAD colours'	-	-
'Océ enhanced colours'	**'Enhanced colours: RGB input data'**	■ **'sRGB'** ■ 'Adobe RGB'
	'Enhanced colours: CMYK input data'	■ **'Euroscale coated'** ■ 'Euroscale uncoated' ■ 'US web coated (SWOP)' ■ 'US web uncoated'
	'Enhanced colours: Rendering intent'	■ **'Perceptual (photo)'** ■ 'Saturation (business graphics)' ■ 'Absolute colorimetric' ■ 'Relative colorimetric'
Simulated printer	'Simulated Océ TCS400 CAD colours' 'Simulated non-Océ printer: vivid colours' 'Simulated non-Océ printer: match screen colours' 'Simulated non-Océ printer: no colour correction'	
'None, managed by application'	-	

Note: *There are a number of factors that influence the quality of your printed output. The 'Colour Management' settings allow you to finetune the result of your printed output for a number of input file types (Vector / Bitmap / PostScript). In addition the colour mode, the type of output media and the print quality (print speed) you select, have an impact on the quality of the final result.*

Check the output quality

Output quality problems

Introduction

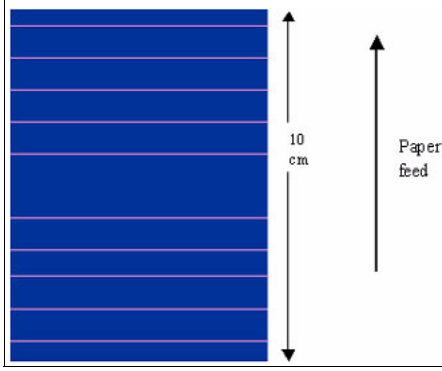
The Océ TCS300 offers three possibilities to check the quality of your printed output.

- Make a quality check print
- Make a tone scale area print
- Make a demo print.

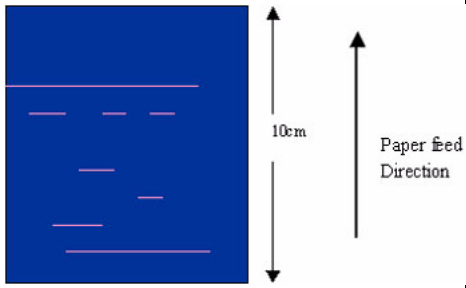
This section describes the problems you can analyse by making one of these check prints. The **Optimise print quality** section describes how you can solve problems with the quality (see '*Use the Optimise print quality wizard*' on page *118*).

Overview of output quality problems - Stripes and Banding

[48] Stripes and Banding problems (1 – 2)

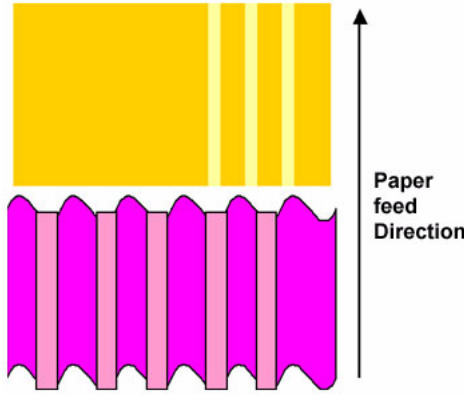
Graphical representation of the problem	Description
	**Small stripes over the entire width of the print (colour independent)** Perform an 'Optimise print quality' test. **Note:** *This problem can occur in all print modes.*

[48] Stripes and Banding problems (2 – 2)

Graphical representation of the problem	Description
	■ **Thin (White) Stripes or weak lines (Nozzle dropouts)** ■ **Stripes per primary colour** ■ **Stripes in parts / dotted lines but also over the entire width** Usually you will find these stripes only in the check mode. In this mode some of these lines are acceptable, because there is no nozzle compensation. The nozzle compensation, that is used in the release mode and in the presentation mode, will correct the lines. ■ If these lines are unacceptable, switch to a slower mode ('Release' or 'Presentation'). Perform an 'Optimise print quality' test. The test checks all printheads and the printer compensates for missing nozzles. ■ Check if the maintenance cassette is clean. If necessary, clean the wipers with a moist, lintfree cloth.
	Banding in all colours with alternating light and dark bands (bands can have different widths) Perform an 'Optimise print quality' test. If the problems persists, repeat the 'Optimise print quality' test. **Note:** *It is advised to use the 'Release' or 'Presentation' mode to prevent banding.*

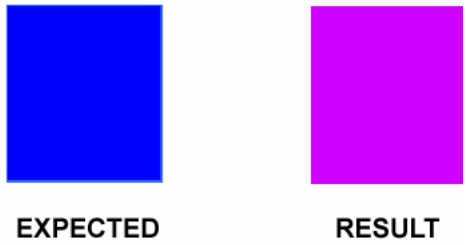
Overview of output quality problems - Waves / Cockle

[49] Waves / Cockle problems

Graphical representation of the problem	Description
	**Waves and or light stripes in the paper feed direction** Bands can consist of waves and / or slight colour differences of approximately 1cm. Check if the correct media is defined on the system. (see '*Replace the media*' on page *132*) If yes, select a different media type. When the printer applies a lot of ink the paper can cockle. Use premium papers or coated papers because they have a better resistance towards waving (also called cockle). If the problem persists, the use of heavier media will reduce cockle. The following papers will never show cockle. ■ IJM149 Océ Smart Matt 120g ■ IJM150 Océ Smart Matt 170g ■ IJM155 Océ Smart Poster Paper Matt (180g) ■ IJM222 Océ Top Photo Paper ■ PrintPerfectPaper 180g (Océ USA) ■ PhotoPerfectPlusGlossy (180g) (Océ USA)

Overview of output quality problems - Colours

[50] Colour problems

Graphical representation of the problem	Description
	Weak and polluted lines Select the 'Océ CAD colours' setting from the 'Colour Management' menu in the Océ Settings Editor or Océ Windows Printer Driver.
	**Blue lines and areas appear purple** Select the 'Océ CAD colours' setting from the 'Colour Management' menu in the Océ Settings Editor or Océ Windows Printer Driver.
	Colours appear too dark and dark areas are clipped Select 'Océ enhanced colours' setting from the 'Colour Management' menu in the Océ Settings Editor or Océ Windows Printer Driver. Set the subset 'Rendering intent' to 'Perceptual (photo)'.

'Quality check' print

Introduction

The 'Quality check' print option is a quick method to help you find the cause of an unsatisfactory output quality. The 'Quality check' print option is especially useful to check the quality of printed lines.
Use the 'Quality check' print option on the printer operator panel to trace output quality problems. (see '*Output quality problems*' on page *108*)

How to make a quality check print

The system prints the 'Quality check' print in the 'Presentation' quality mode. The system uses a minimum of media for the 'Quality check' print. You are recommended to use Océ Premium Grade Paper (IJM113) for the 'Quality check' print.

Do the following to make a quality check print.

1. Scroll to the 'System information' card on the on-line screen of the printer operator panel.
2. Use the lower softkey for 'Demo print' to enter the menu.
3. Use the lower softkey to select 'Quality check'.
4. Check the output for the problems with the quality described below.

'Tone scale area check' print

Introduction

The 'Tone scale area check' print option is a quick method to help you find the cause of an unsatisfactory output quality. The 'Tone scale area check' print option is especially useful to check the quality of the colour rendering and the colour fastness. (see '*Output quality problems*' on page *108*)

How to make a tone scale area print

The system prints the 'Tone scale area check' print in the 'Presentation' quality mode. The system uses a minimum of media for the 'Tone scale area check' print. You are recommended to use Océ Premium Grade Paper (IJM113) for the 'Tone scale area check' print.

Do the following to make a tone scale area print.
1. Scroll to the 'System information' card on the on-line screen of the printer operator panel.
2. Use the lower softkey for 'Demo print' to enter the menu.
3. Use the lower softkey to select 'Tone scale area check'.
4. Check the output for the problems with the quality described below.

'Demo print'

Introduction

You can make a demo print to get an impression of the print capabilities of the Océ TCS300.
Use the 'Demo print' print option on the printer operator panel to trace output quality problems. (see '*Output quality problems*' on page *108*)

How to make a demo print

The system prints the 'Demo print' in the 'Release' quality mode. The demo print takes several minutes to print. You are recommended to use Océ Premium Grade Paper (IJM113) for the 'Demo print'.

There are two methods to start the demo print.

- Through the Océ System Control Panel
- Through the 'System information' card on the on-line screen of the printer operator panel.

Optimise the output quality

Optimise the output quality on the printer

Introduction

This section describes different methods that you can use to optimise the output quality on the Océ TCS300 printer.

Problem analysis and solutions

[51] Problem analysis and solutions (1 – 2)

Problem	Method of analysis	Solutions
The output colour is not the same as the original colour	'Quality check' print	■ Use the correct colour management settings for the original. Choose Océ CAD colours for CAD/vector drawings or Océ Enhanced colours with the optimal rendering intents for posters, images, etc. ■ Make sure you define the correct software settings, for example the correct pen settings. ■ Use the 'Release' quality mode for drawings.
The length and width measurements are different from the original	'Quality check' print	■ Make sure you defined the correct scale settings ■ Use the 'Presentation' quality mode ■ Use the 'Optimise print quality' wizard to correct the problem. ■ In case of a media length deviation, adjust the setting 'Cut length correction'. Navigate to **'Support' - 'Media'** in the Océ Settings Editor and access the edit window of a selected media type. ■ In case of an image length deviation, navigate to **'Preferences'- 'System defaults' - 'Calibration'** and select the value 'Size accuracy' for the setting 'Vertical print optimisation'.

[51] Problem analysis and solutions (2 – 2)

Problem	Method of analysis	Solutions
Missing sections in lines or stepped lines	'Quality check' print	■ Use the 'Release' quality mode for drawings ■ Use the 'Optimise print quality' wizard to correct the problem. ■ When failing printheads cause this problem, use the 'Replace printhead' wizard to replace the failing printheads.
Missing parts of characters	'Quality check' print	■ Use the 'Presentation' quality mode ■ Use the 'Optimise print quality' wizard to correct the problem.
The individual ink drops merge on the media	'Demo print'	Coalescence occurs in the 'Check' mode when you print on high gloss photo paper. Use the 'Release' or 'Presentation' quality mode
Problems with the nozzles cause drop-out	'Demo print'	■ Use the 'Optimise print quality' wizard to correct the problem. ■ A defective or end-of-life maintenance cassette can cause this problem. Use the 'Replace cassette' wizard to replace the maintenance cassette (see '*Replace the maintenance cassette*' on page *147*) ■ Use the 'Optimise print quality' wizard to correct the problem.
Colour consistency problems	N/A	■ Some types of media can discolour with age. Check that the media is new and that it is stored correctly. ■ Remove the printer from areas of high humidity.

Use the Optimise print quality wizard

Introduction

The off-line screen of the printer operator panel contains the 'Optimise print quality' wizard that helps you to correct the problems with the output quality. The wizard performs the following actions.

- Detect weak or failing nozzles.
  The Océ TCS300 automatically compensates the detected nozzles in future prints to make sure that print quality is optimal.
- Align the printheads and optimise the paper transport.

During the 'Optimise print quality' wizard, the system performs an alignment. The alignment requires the use of media. Make sure at least one roll of the defined media (see *'Set up unattended / overnight printing optimisation'* on page *67*) is loaded before you enter the 'Optimise print quality' wizard.

Note: *You can start the 'Optimise print quality' wizard from the printer operator panel or you can automatically optimise your print quality after a defined number of prints if you set 'Overnight printing optimisation' in the Océ Settings Editor to 'On'(see 'Set up unattended / overnight printing optimisation' on page 67).*

When to do

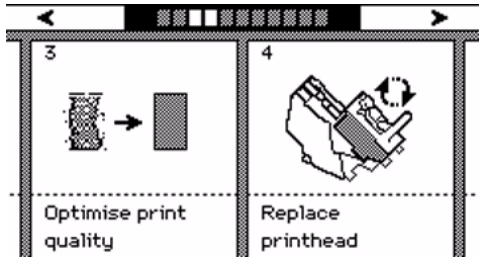
Before you start the 'Optimise print quality' wizard, first check the following.

- Did you use the correct media type?
- Did you use the correct print mode?

Only start the wizard when you are sure that you used the correct media type and the correct print mode, and the output quality is still not satisfactory.

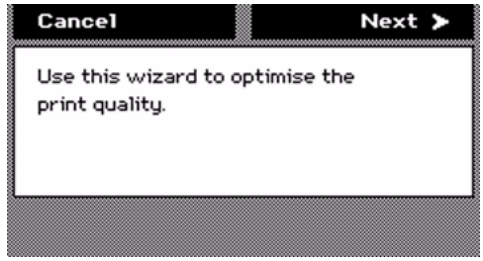
How to use the Optimise print quality wizard

1. Press the on-line / off-line key to set the printer off-line.
2. Press the upper softkeys to scroll to the 'Optimise print quality' card.

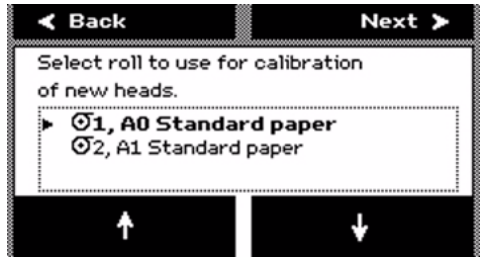


3. Press the lower softkey for 'Optimise print quality' to enter the wizard.

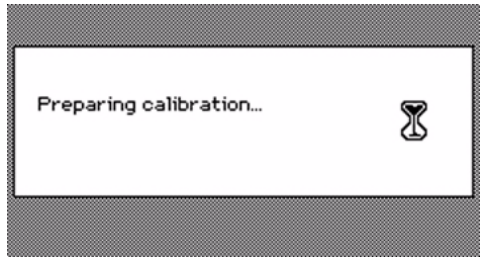
An introduction screen displays the message 'Use this wizard to optimise the print quality.'



4. Press the key for 'Next'.
   The screen displays the message 'Select roll to use'.
   You can only calibrate on the defined media types (see '*Set up unattended / overnight printing optimisation*' on page *67*). When calibration is not possible with the loaded media, the system asks you to load the correct media. When calibration is possible with one of the rolls, the system automatically uses the correct roll of media. When calibration is possible with both rolls, continue with step 5.
5. Press the lower softkeys to select a media roll for the calibration.



6. Press the key for 'Next'.
   The screen displays the message 'Preparing calibration...' The system prepares for the quality check.



The screen displays feedback about the calibration process. The system does a nozzle failure recovery and alignment.
You can stop the calibration process at any time. Press the key for 'Cancel' to stop the calibration process.
In case more than 75 nozzles fail, a 'Printheads failing' message appears. Then you must replace the printhead, using the 'Replace printhead' wizard .

Chapter 7
License management

Introduction to managing licenses

Introduction

The Océ applications and options are protected against unauthorised use. You need to activate the license to enable an application or option for use. The 'Licenses' tab in the Océ settings Editor enables you to manage the licenses very easily.

This section describes the following.
- The basic concept of the licences.
- How to manage the licenses.

The 'Licenses' tab in the Settings Editor

Introduction

The 'Licenses' tab has the following possibilities.

Possibilities

- View the current active licenses
- Get the host id of the Océ system
- Save the active licenses
- Perform a license activation job.
  You can activate new licenses or saved licenses.

The basic workflow of license activation

Introduction

Before you can work with licences, you must access the home page of the Océ Settings Editor. The following workflow describes per step when to use which possibility.

The workflow

1. View the current active licenses.
   You can make a list of new options you need and make a list of license numbers. Océ needs the list of new options and the license numbers to create a new license file.
2. Get the host id of the Océ system.
   Océ needs the host id of your Océ system to create a new license file.
3. Send the list of new options you need, the list of license numbers and the host id to Océ.
   Océ creates and delivers one or more new license files.
4. Create a back-up of the current active licenses if necessary.
   Save the current active licenses to do so.
5. Activate the licenses.
   Perform a license activation job to do so.
   The license activation job guides you through the following steps.
   - 1. Locate the license file
   - 2. Preview the new active licenses
   - 3. Accept the end user license agreement
   - 4. Finish the license activation job
   - 5. Restart the controller of the Océ system.

Note: *Perform the license activation job for each license file.*

The structure of license files and licenses

Introduction

A license file contains a license per option of your Océ system. You can view the current active licenses with Océ 'Licenses' tab in the Settings Editor. You can preview the new active licenses during the license activation job.

A license file contains licenses of the same license-type

A license file you receive from Océ contains only licenses of the same license-type. The following license types are possible.

- Demo
- Resale.

If you order demo and resale licenses, you receive 2 license files.

What you see per situation

What you see per situation depends on the license file you use.

[52] What you see depends on the situation (1 – 2)

Situation	What do you see
View the current active licenses.	You see the following. ■ All current active demo licenses ■ All current active resale licenses ■ All current other not active options.
Océ delivered one or more license files.	You see one of the following options. ■ A demo license file ■ A resale license file ■ A demo license file and a resale license file.
Preview the demo licenses during the license activation job if you use the license file with demo licences.	You see the following. ■ All current active demo licenses ■ All new active demo licenses. **Note:** *You can not see the current active resale licenses at this point.*

[52] What you see depends on the situation (2 – 2)

Situation	What do you see
Preview the resale licenses during the license activation job if you use the license file that contains the resale licences.	You see the following. ■ All current active resale licenses ■ All new active resale licenses. **Note:** *You can not see the current active demo licenses at this point.*
Preview the demo and resale licenses during the license activation job if you use the saved licenses of your back-up file.	You see the following. ■ All demo licenses that where active at the time you created the back-up file ■ All resale licenses that where active at the time you created the back-up file
The license activation job is finished.	You see the following. ■ All current active demo licenses ■ All new active demo licenses ■ All current active resale licenses ■ All new resale licenses ■ All current other not active options.

Check your licenses

About the licenses

The 'Licenses' tab in the Océ TCS300 Settings Editor allows you to manage the licenses that are active on your system. A license is needed to activate certain functions on your Océ TCS300.

You can use the 'Licenses' tab to perform the following tasks.

- View the current active licenses.
- Get the host id of the Océ system.
- Save the active licenses.
- Perform a license activation job.
  You can activate new licenses or saved licenses.

License information overview

Click **'Support'- 'Licenses'** to view the available licenses.

You can view the license information for the following purposes.

- Check the active licenses on license state, license type and license duration.
- Check how long a demo license is valid.
- View all options available for your Océ system.
  The list of options depends on the type and version of the Océ system.
- Make a list of new options you need.
- Make a list of license numbers.

Information	Description
'Option'	This field displays the name of the option. For Océ TCS300 the following licenses are available. ■ Océ TCS300 base license. ■ Adobe® PostScript 3 / PDF. ■ Japanese PostScript fonts. ■ Simplified Chinese PostScript fonts. ■ Traditional Chinese PostScript fonts.
'State'	This field displays one of the following license states. ■ 'Authorised'. You are authorised to use the function. ■ 'Not authorised'. You are not authorised to use the function, you need to get a license for the function. ■ 'Expired'. Your license was a temporary license. You need to get a new license to use the function. ■ 'Update configuration'. This state indicates that there is a newer version of a function (e.g. more scan memory for scan-to-file).

Information	Description
'License type'	This field displays one of the following license types. ■ 'Resale'. ■ 'Demo'.
'Duration in days'	This field displays the time your license is valid.
'License number'	This field displays a license number.

Get a new license

Introduction

The Océ applications and options are protected against unauthorised use. You need to activate the license to enable an application or option for use. The 'Licenses' tab enables you to upload new licenses files to activate a license.

Purpose

- Upload a new license file.
- Extend the existing license on your Océ TCS300.

Note: *After the license is uploaded you must restart your systemOcé Power Logic® controller to activate the license file.*

How to get a new license file

1. Click **'Support'- 'Licenses'** to display the license information page.
2. Click the host id hyperlink to display the host id information.
3. Send the host id information to your Océ representative together with a list of options that you require.
4. After receiving the license file(s), store the file(s) on the network.

Attention: It is advised to store the license information of the currently active license files in a back-up file before you activate a new license file. Use the 'Save' button to store the current license files information.

Upload a new license

1. Click 'Activate' to open a browser window to search for the license file on the network.
2. You need to log on as System administrator or Power user if you are not logged on already.
3. Browse the network and select the license file.
4. Click 'Ok' to start the activation of the license file. A message is displayed when the process is completed.
5. Restart the system to activate the changes.

Result

- If you have updated an expired license, the new license file overwrites the previous license file.
- If you have uploaded a new license, the license state in the overview is changed from 'Not authorised' to 'Authorised'.

Save the currently active licenses

Introduction

You can save all current active licenses of different licenses types into one single file.

Purpose

Save the current active licenses for the following purposes.

- Collect and save all active licenses of different types into one single file
- Create a back-up file before you start a license activation job.

When to do

Save the current active licenses before you start a license activation job or to save the current license situation.

How to save the license information

1. Click **'Support'- 'Licenses'** to display the license information page.
2. You need to log on as System administrator or Power user if you are not logged on already.
3. Click the 'Save' button.
   The 'Save licenses' window opens.
4. Select a directory, enter the file name and click the 'Save' button to back-up the currently active licenses.

Result

All currently active resale and demo licenses are stored into one single file.

Chapter 8
Maintain the Océ TCS300 printer

Replace the media

Introduction

The standard configuration of the Océ TCS300 contains two rolls of media . The Océ TCS300 is also available with one roll or with three rolls. Appendix A contains a list of the supported media types and media sizes.

This section describes the following.

- How to remove and load a roll of media .
- How to change the type of media defined on the system.

When to do

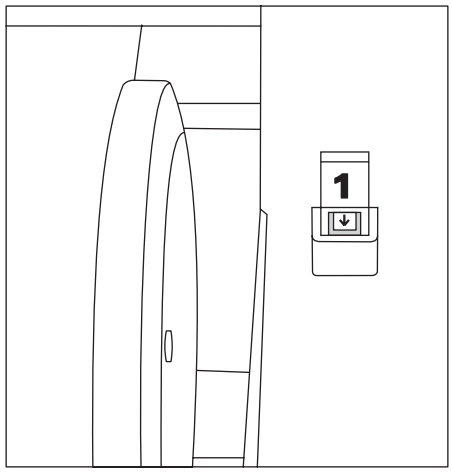
Change a roll when a job needs a media type or size that is not on one of the rolls. Change the media type that is defined on the system when the defined media type and the available media type do not correspond.

Before you begin

Navigate to **'Preferences' - 'System defaults' - 'Regional settings'** to use the 'Media sizes' setting to define the correct media sizes in the Océ Settings Editor.

How to remove a roll of media

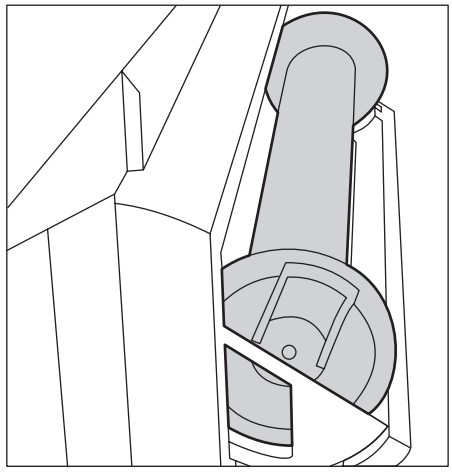
1. Press the retract button on the right-hand side of the roll.



[69] Press the retract button

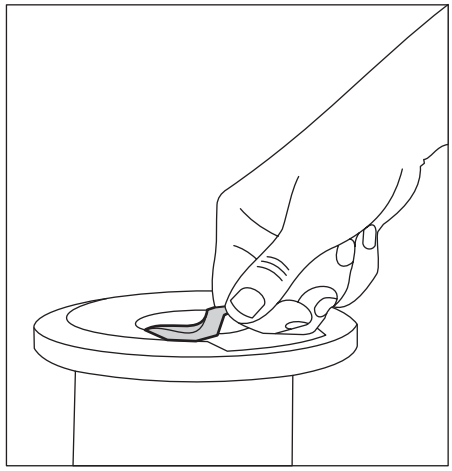
The medium automatically retracts from the printer.

2. Use both hands to remove the roll.



[70] Remove the roll

3. Both far ends of the roll contain flanges with handles. Lift the handles to release the flanges.



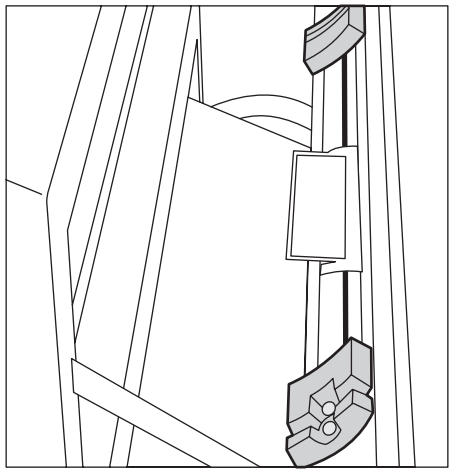
[71] Release the flanges

4. Remove the flanges.

[72] Remove the flanges

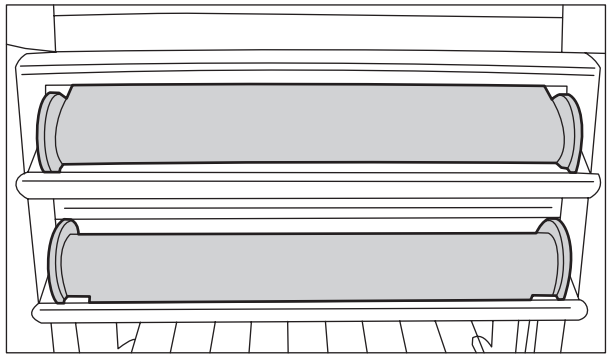
How to load a new media roll

1. Insert the flanges in both ends of the new media roll.
2. Press the handles down to fasten the flanges.
3. Put the saddles into position at the ends of the track.



[73] Saddles

4. Use both hands to place both flanges in the green saddles on the printer.
5. Use both hands to slide the medium under the paper guide. Place the media on the printer as shown in the figure below.



The medium loads into the printer from the top of the media roll.
Make sure the medium makes contact with the paper guide.

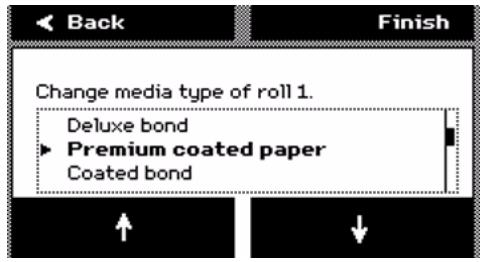
6. The printer automatically draws the medium in the correct position.
When the printer loads the roll of media, the screen of the printer operator panel shows the feedback.

Note: *The printer automatically detects the width of the media.*

How to select the settings for the new roll of media

Attention: After you load a new roll of media, the screen of the printer operator panel displays a wizard. Use the wizard to define the media type and the cut option for the new media roll.

1. The screen displays the message 'Select media type on roll (number)'. Use the lower softkeys to select the media type.

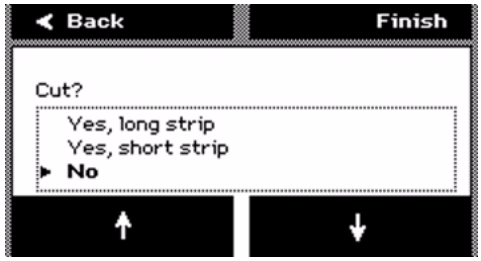


[75] Select the media type

Note: *The media types you can see on the screen are the three most recently used media types. The default media type is the media type that you defined for the media roll the last time. If you must select another media type, you can scroll down with the*

lower softkey and select 'More...'. Then a list displays of all the media types that you can select.

2. Press the key for 'Next' to enter the cut option screen. The system displays the question 'Cut?'
3. Use the lower softkeys to select the cut option for the media.



[76] Select the cut option

Select one of the following.

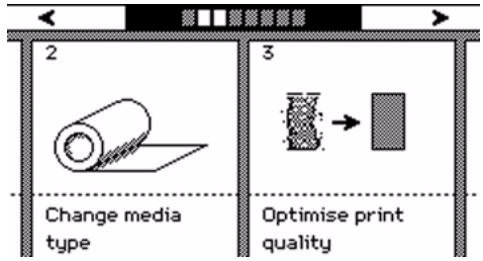
- 'Yes, long strip'
  Cut the media with a full roll rotation feed (50 cm) before the printer cuts the media. You can use this option when the media is damaged or polluted with, for example, tape residue.
- 'Yes, short strip'
  Cut the media with the shortest possible strip (20 cm).
- 'No'
  No media cut.

4. Press the key for 'Finish' to confirm the settings and to exit the wizard.

How to correct the media type defined on the system

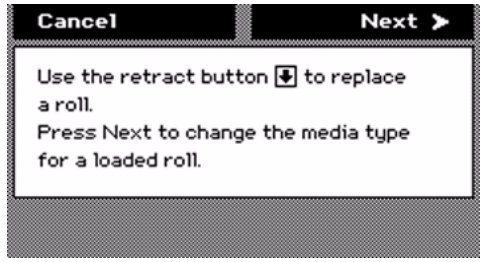
Attention: You need only to correct the type of media when an incorrect media type was defined when the roll was loaded.
When you define a type of media that is different from the media type loaded on the system, the print quality decreases and pollution of the system can occur.

1. Press the On-line / off-line key to set the printer off-line.
2. Use the upper softkeys to scroll to the 'Change media type' card.



[77] Change media type card on the off-line screen

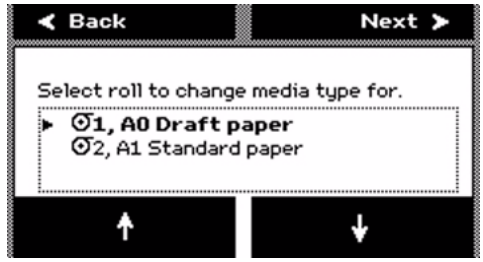
3. Press the softkey below the 'Change media type' card to enter the wizard.
4. An introduction screen displays the message 'Use the retract button to replace a roll. Press Next to change the media type for a loaded roll.'



[78] Introduction screen

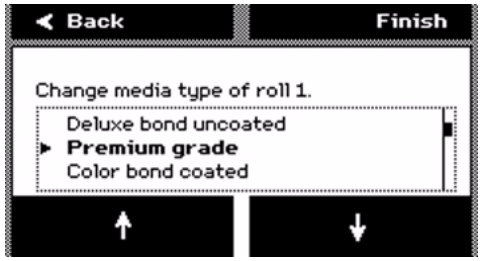
When you do not want to load a new roll, use the upper right softkey to continue the wizard at the introduction screen. When you do want to load a new roll, press the retract button to change the media roll.

5. When you press the retract button, the screen displays the message 'Load new media'. Change the media roll as described in the above sections.
6. When you do not press the retract button and continue in the 'Change media type' wizard, the screen displays the message 'Select roll to change media type for...'. Use the lower softkeys to select the correct roll to change the media type for.



[79] Select a roll to change the media type.

7. Press the key for 'Next' to continue. The screen displays the message 'Change media type of roll [number]'. Use the lower softkeys to select the correct media type for the media roll.



[80] Select the correct media type for the roll

8. Press the key for 'Finish' to confirm the settings and to exit the wizard.

Replace the ink tanks

Introduction

The Océ TCS300 contains the following four ink tanks.

- One tank for the cyan ink.
- One tank for the magenta ink.
- One tank for the yellow ink.
- One tank for the black ink.

The ink level card on the printer operator panel indicates the ink level of each colour as a percentage.

You can replace the ink tanks at any time. A wizard is not required.

When to do

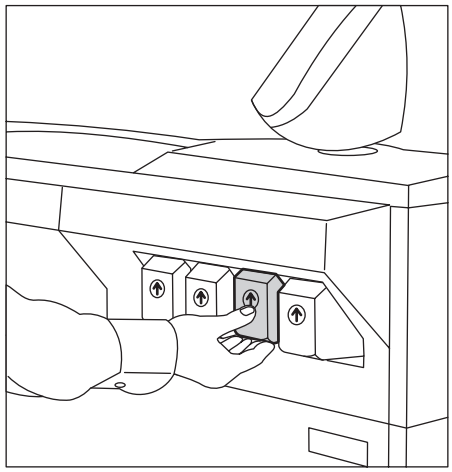
You must replace an ink tank when the ink level indicator on the printer operator panel shows 0%. The indicator flashes when the ink tank is empty.

Note: *While you replace the ink tank, the printer can continue to print on the ink present in an intermediate ink storage tank inside the printer.*

Note: *If you do not replace the ink tank in time a pop-up message appears on the screen. The pop-up message displays the message 'Out of [colour] ink. Replace ink tank'. The system produces a double audio signal and the red LEDs of the printer operator panel remain illuminated. The printer stops and immediate action is required.*

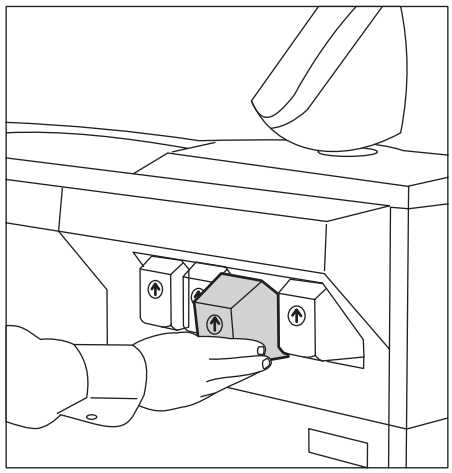
How to remove an ink tank

1. Press the dimpled recess in the ink tank inward and upward to release the ink tank.



[81] Push the tank inward and upward

2. Pull the ink tank straight out of the slot.



[82] Pull the tank out

The indication for the removed tank on the printer operator panel changes into a dashed line.

How to place an ink tank

Attention: Make sure that you only use Océ TCS300 ink tanks. Using TCS400 ink tanks will damage your printer!

Attention: Make sure that you replace an ink tank with a tank that contains ink of the same colour.

1. Hold the ink tank with the colour of the label towards you.
   The ink tanks are arranged in the same sequence as shown on the printer operator panel. From left to right, the sequence of the ink tanks is black, cyan, magenta, yellow, black (KCMY). A label on the ink tank indicates the colour of the ink in the ink tank.

Note: *Do not shake the ink tank or touch the opening of the ink tank.*

2. Slide the ink tank into the slot until you feel a resistance and stop.

Note: *The ink tank fits only in one way . The ink tank fits only into the slot dedicated for the colour. When you attempt to place the ink tank the wrong way or in the wrong slot, the ink tank will not fit. Do not attempt to force it.*

3. Press the dimpled recess in the ink tank inward and downward until the ink tank clicks into place.
   When the printer detects the full ink tank, the ink level indicator on the printer operator panel displays 100%.

Note: *The printer first refills the intermediate ink storage tank. Therefore the ink level indicator on the printer operator panel can decrease to about 95%.*

Replace a defective printhead

Introduction

The Océ TCS300 contains the following nine printheads.

[54] Overview printheads

Quantity	Colour	Printhead position (indicated on the printhead carriage)
3	Black (K)	1, 2, 3
2	Cyan (C)	4, 5
2	Magenta (M)	6, 7
2	Yellow (Y)	8, 9

Always follow the instructions in the wizard on the printer operator panel when you replace a defective printhead.
After you replace a defective printhead, the system performs an alignment. The alignment requires the use of media. If you enter the 'Replace printhead' wizard while no media is present, the printer asks you to load a roll of media first.

Note: *Only replace a defective printhead using the 'Replace printhead' wizard.*

Note: *A printhead is defective when the printhead has an electric defect or a major number of nozzles fail. You can not continue to print before the printhead is replaced.*

When to do

The system displays an error message and prompts you to replace the defective printheads. Only replace the printheads the system indicates.

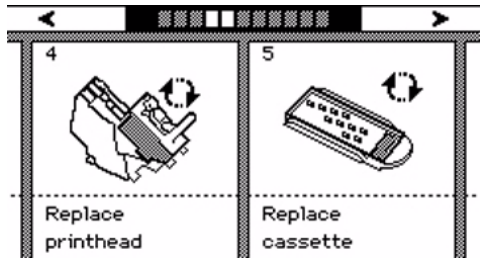
Attention: Only replace printheads when they are defective. Changing printheads that are not defective will shorten the printhead lifetime and cause problems with the ink system.

Attention: Always store printheads near the printer or allow the printheads to adjust to the printers environmental conditions before you insert them in to Océ TCS300 printer.

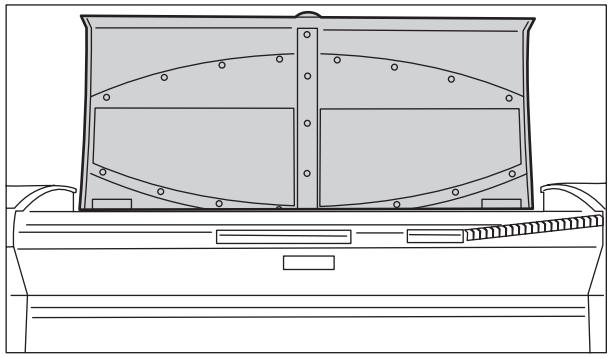
Attention: Do not open the top cover when you are not in the wizard. When you open the top cover outside the wizard, the system produces a long, uninterrupted audio signal audio signal. When you open the top cover during printing, the printer stops and the red LEDs on the printer operator panel remain illuminated. After you close the cover, the print is cut. Then the whole print job is restarted.

How to remove a printhead

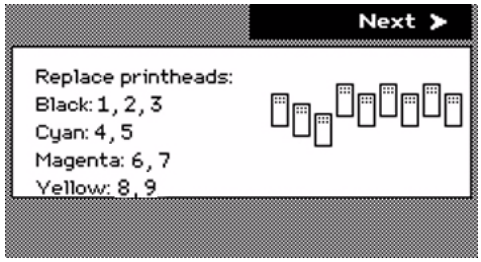
1. Press the on-line / off-line key on the printer operator panel to set the printer off-line.
2. Use the upper softkeys to scroll to the 'Replace printhead' card.



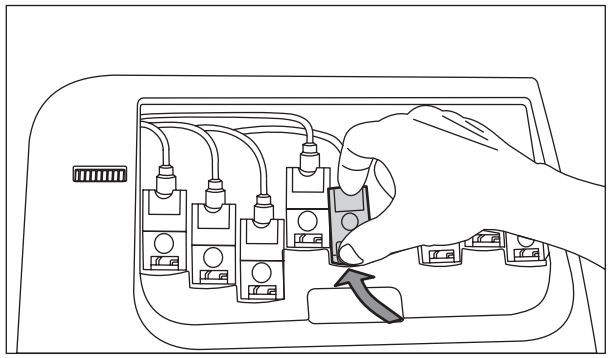
3. Press the softkey below the 'Replace printhead' card to enter the wizard.
   An introduction screen displays the message 'Use this wizard to replace printheads. A roll is needed for calibration.'
4. Press the key for 'Next'.
   The screen displays the message 'Select roll to use'.
   The system does a calibration at the end of the wizard. You can only calibrate on the defined media types (see '*Set up unattended / overnight printing optimisation*' on page *67*). When calibration is not possible with the media available on the printer, the system asks you to load the correct media. When calibration is possible with one of the rolls, the system automatically uses the correct media roll. When calibration is possible with both rolls, use the lower softkeys to select the roll to use.
5. Press the key for 'Next'.
   The screen displays the message 'Carriage moving to centre position...' while the carriage moves to the centre.
   The screen displays 'Open top cover.'
6. Open the top cover.



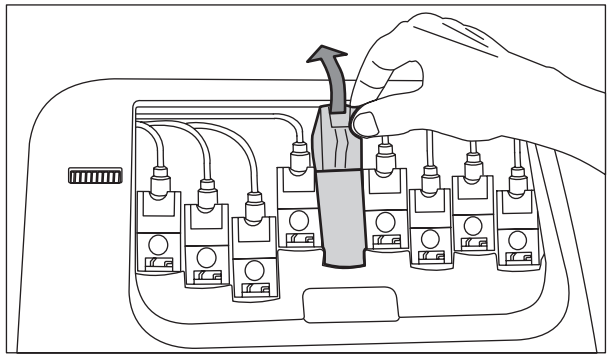
The screen displays the message 'Replace printheads' and the printheads that you must replace. Find the correct printhead number on the printhead carriage.



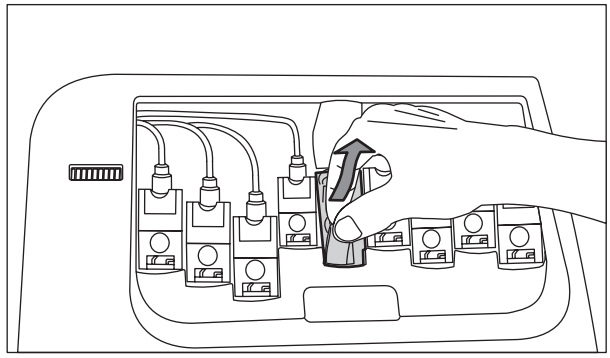
7. Press the front of the printhead cover to unlock the cover.



8. Open the printhead cover.



9. Pull out the printhead and remove it.



How to place a printhead

1. Remove the protective tape from the new printhead.

Note: *Do not touch the contact and nozzle areas of the printhead after you remove the protective tape.*

2. Place the new printhead in the printhead holder.
   The printhead only fits in one way.
3. Close the printhead cover.
4. After you replaced the defective printhead, press the softkey for 'Next'
5. The screen displays the message 'Make sure that all head covers are properly positioned.'
   Press the key for 'Done'.
   The screen displays the message 'Close top cover.'
6. Close the top cover.
   The screen displays the message 'Carriage moving to home position...'
7. The screen displays 'Calibrating...'.
   The calibration process takes several minutes.
   You can stop the calibration process at any time. Press the key for 'Cancel' to stop the calibration process.

Note: *If you cancel the calibration, the printer restarts the calibration process when a new print job starts.*

Note: *If the printer rejects the new printhead during the 'Replace printhead' procedure, remove the printhead, clean the contact area with a lintfree cloth and re-insert the printhead.*

Note: *Also check the maintenance cassette after you replaced a printhead. (see 'How to remove the maintenance cassette' on page 148) Check if all wipers are present and clean. Excessive ink remains on the wipers can damage the printheads. Wipe the wiper blades with a moist cloth to increase the lifetime of the printheads.*

Replace the maintenance cassette

Introduction

The maintenance cassette wipes the printheads and caps the printhead nozzles. During the print process, the printhead carriage regularly moves to the right-hand side of the printer to spit some ink droplets into the maintenance cassette. These actions are necessary to keep the printheads in optimal condition.
After about 5000 $m^2$of output (the exact value depends on the print modes you use) the printer indicates that you must replace the maintenance cassette.

When to do

Replace the maintenance cassette when printer operator panel displays the message 'Maintenance cassette nearly full.'. The print quality can deteriorate. Replace the cassette as soon as possible.

Note: *If you do not replace the maintenance cassette in time a pop-up message appears on the screen. The pop-up message displays the message 'Maintenance cassette full. Press Continue to start the Replace cassette wizard.'. The system produces a double audio signal and the red LEDs of the printer operator panel remain illuminated. The printer stops and immediate action is required.*
The Océ System Control Panel also indicates that you must replace the cassette.

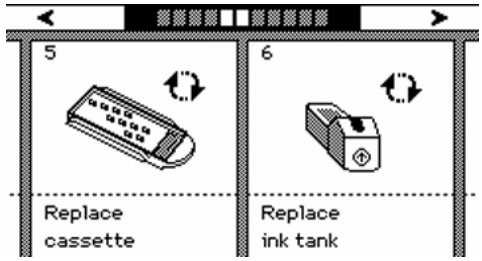
Note: *When the maintenance cassette is not in position when the system starts up, the system produces an error signal The red LEDs of the printer operator panel remain illuminated. The printer operator panel displays the message 'Maintenance cassette not present.' The message gives access to a wizard that contains the procedure to replace the maintenance cassette.*

Attention: Do not remove the maintenance cassette when you are not in the wizard. You can seriously damage the printheads. When you open the maintenance door outside the wizard, an error message prompts you to close the door.

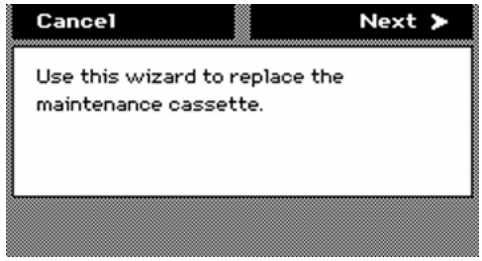
How to remove the maintenance cassette

1. Press the on-line / off-line key on the printer operator panel to set the printer off-line.
   If you replace the cassette as the result of the message 'Maintenance cassette full. Press Continue to start the Replace cassette wizard.', press the softkey for 'Continue' to enter the 'Replace cassette.' wizard. Then continue with step 4.

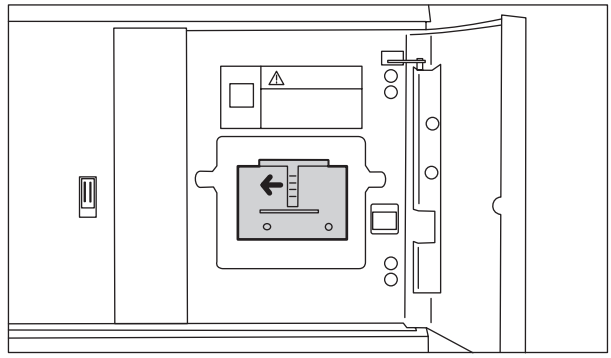
2. Use the upper softkeys to scroll to the 'Replace cassette' card.



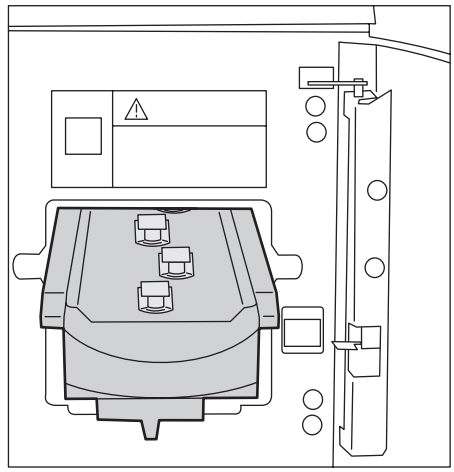
3. Press the softkey below the 'Replace cassette' card to enter the wizard.
   An introduction screen displays the message 'Use this wizard to replace the maintenance cassette.'



4. Use the upper right softkey to enter the wizard at the introduction screen.
   The screen displays the message 'Carriage moving to centre position...' while the carriage moves to the centre.
   Then, the screen displays the message 'Open maintenance door.'
5. Open the door to the maintenance cassette.
   The screen displays the message 'Remove cassette.'
6. Press the green grip to the left to release the cover that gives access to the maintenance cassette.



7. Pull out the maintenance cassette.



Note: *Always store the old maintenance cassette in a horizontal position to prevent the spilling of ink. Be careful with the ink on the maintenance cassette.*

Note: *The packing of the new maintenance cassette also includes a plastic zip lock waste bag. Use this bag to dispose of the old maintenance cassette.*

How to place the maintenance cassette

1. Slide the new maintenance cassette into the cassette holder.
2. Close the cover of the maintenance cassette . The cover locks automatically.
   The screen displays the message 'Is the cassette you placed used or new?'

Attention: Make sure that you select the correct option. Never select 'New' for a used cassette. This can seriously damage your printheads.

3. Press the key for 'Used' or 'New'.
   Select 'Used' if you inserted a cassette that was used before. The end-of-life counter is not reset to zero.
   Select 'New' if you inserted a cassette that was not used before. The end-of-life counter is reset to zero.
4. Close the door to the maintenance cassette.
   The screen displays the message 'Carriage moving to home position...'

Chapter 9
System messages and solutions

Overview

Definition

This table gives an overview of the possible error messages and system messages of the Océ TCS300 printer and refers to the possible solution.

Error message / System message	Description / solution
'Required media not available'	The media required for the job is not available on the printer. (see '*Required media not available*' on page *154*)
'Roll empty'	The end of the roll of media is reached while you print (see '*End of roll*' on page *155*)
'Close maintenance door' / 'Close top cover.'	A door or cover is open, although you are not in a wizard (see '*Cover or door opened*' on page *156*)
'Remove media'	A media jam occurred (see '*Remove jammed media*' on page *157*)
'Temperature out of range' /'Humidity out of range'	Excessive temperature or humidity. (see '*Temperature or humidity out of range*' on page *159*)
'Warning Carriage away from home position too long'	The carriage is away from its home position too long (see '*Carriage away from home position too long*' on page *160*)
'System error'	A system error occurred. (see '*Correct system errors*' on page *162*)
'Permanent error'	An permanent error occurred. (see '*Deal with permanent errors*' on page *163*)

Printhead error messages

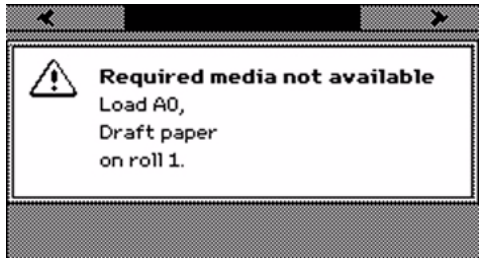
The table below gives on overview of the printhead-related error codes.

Error code	Description	Customer action
4501 - 4509	Excessive leakage current detected for head [1…9] Printhead failing Replace printed [1…9]	Replace the printhead by using the wizard. **Note:** *Never re-insert a printhead that has caused this problem.*
4551 - 4559	Head defective during printing	Printhead is probably not placed correctly. Remove and re-insert the printhead at the original position. **Note:** *If the problem persists you must replace the printhead.*
4571 - 4579	Head too hot during printing	You can ignore this problem by pushing the 'OK' button. **Note:** *If the problem re-occurs after a short time you must replace the printhead.*
4581 - 4589	Head [1….9] keeps heating	Replace the printhead by using the wizard.
4951 - 4959	WOM memory failure for head [1……9]	Service warning only. No customer intervention needed.
4961 - 4969	Heating of head [1……9] failed	Continue printing until the message 'Replace printhead' displays on the operator panel. Then replace the printhead by using the wizard.

Required media not available

Required media not available

When the Océ Power Logic® controller tries to print on a type of media that is not available on the printer, the printer operator panel displays a media request. The system produces a short interrupted audio signal. The red LEDs of the printer operator panel remain illuminated. Replace the media roll to continue. The following shows an example of the message.



End of roll

End of roll

When two media rolls contain the same type of media and the end of one roll is reached, the printer automatically switches to the other roll.
When the end of the media roll is reached during printing and the other roll does not contain the same media type, the system produces a short interrupted audio signal. The red LEDs on the printer operator panel flash two times.
If necessary the output is dried, the printer takes back the output and delivers the output at the front side of the printer.

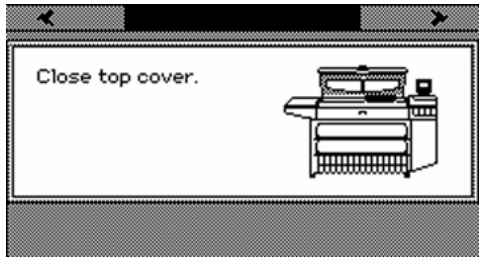
Note: *If you stop the drying procedure, the printer moves the remaining piece of media to the back side of the printer. You must remove this piece of media manually.*

Cover or door opened

Cover or door opened

You are only allowed to open the top cover when you are in the 'Replace printhead' wizard.
You are only allowed to open the maintenance door when you are in the 'Replace cassette' wizard.

When you open the top cover or the maintenance door without accessing the wizard, the system produces a warning signal. The red LEDs on the printer operator panel remain illuminated. When you open a door or cover during printing, the printer stops. A message on the printer operator panel tells you to close the top cover or the maintenance door. Close the top cover or the maintenance door to continue.



When the cover or door is opened while the printer prints a job, the print is cut after you close the cover. Then the whole print job is restarted.

Remove jammed media

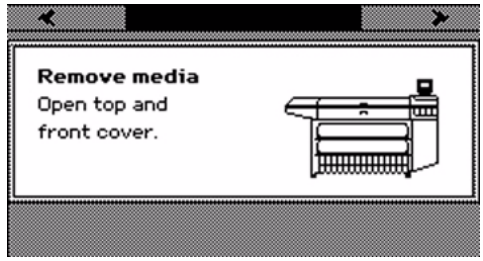
Introduction

When a media jam occurs, the system produces a double audio signal. The red LEDs of the printer operator panel remain illuminated. When a jammed media error occurs on the system, immediately remove the jammed media to prevent damage to the printer.
The system handles the error recovery for the jammed media through a series of dialogue boxes. Use the following procedure to remove the jammed media.

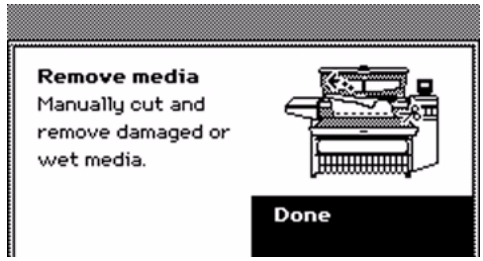
How to remove jammed media

Attention: Never use a knife to cut loose the jammed media. When you use a knife to cut loose the media, you can damage the printer.

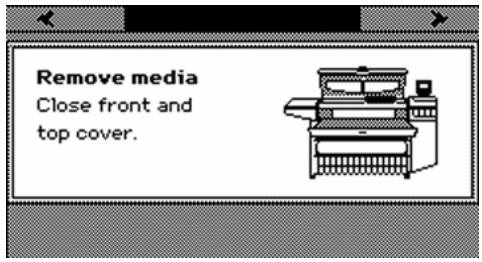
1. Open the cover or door that the printer operator panel indicates.



2. Use a pair of scissors to cut loose the media.
3. Remove the jammed media from the output side of the printer.



4. Press the softkey for 'Done' to confirm that you removed the jammed media.
5. Close the cover or door that the printer operator panel indicates.



6. Insert the roll of media in the printer.
   The printer is ready for use.

Note: *When you remove the media from the front of the printer, there is a risk of ink pollution in the media feed section.*

Temperature or humidity out of range

Temperature or humidity out of range

The system produces a short interrupted audio signal. The red LEDs on the printer operator panel flash two times. Press the key for 'OK'. The system information card on the on-line screen of the printer operator panel displays the following message until the problem is solved..

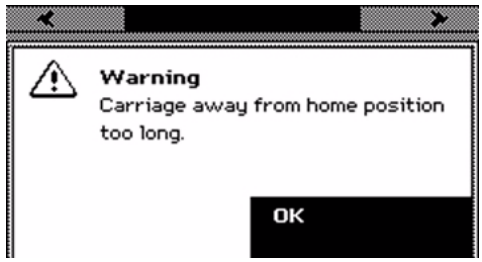
When this error persists, contact your local Océ service organisation.

Carriage away from home position too long

Attention: When the carriage stays away from its home position too long, the printheads become dry. When the printheads are dry, you must replace the printheads.

Carriage away from home position too long

Always replace the printheads or the maintenance cassette in one continuous action to prevent the drying of the printhead nozzles.
When you replace a printhead or the maintenance cassette, the carriage moves to the centre. When the carriage is in the centre too long, the system produces an error signal The red LEDs on the printer operator panel remain illuminated. The printer operator panel also displays a message. Press the key for 'OK' to acknowledge the error message.



Clear the set memory

Attention: When you clear the set memory, all jobs on the system are deleted.

Clear the set memory

You can clear the system with the 'Configure system' wizard on the printer. Use this function if a damaged job blocks the workflow of the printer.

Note: *The entire system is cleared. You cannot retrieve the jobs.*

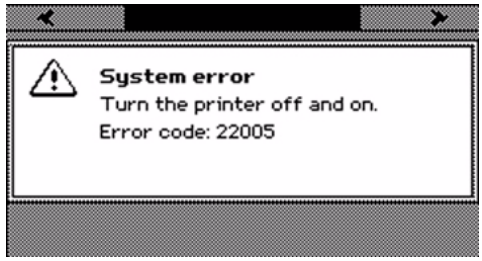
Correct system errors

Introduction

When a system error occurs, the system produces a double audio signal. The red LEDs of the printer operator panel remain illuminated.

How to correct system errors

1. A system error is an error that the system can recover. When a system error occurs, an error code is displayed on the screen.



2. When a system error occurs, you must turn the printer off and on.

Note: *If the setting 'Synchronise controller power on / off' in the Océ Settings editor is set to 'Enabled', wait for the Power Logic® controller to shut down before you turn on the system again. If the setting 'Synchronise controller power on / off' in the Océ Settings editor is set to 'Disabled' just wait a few seconds before you turn on the system again.*

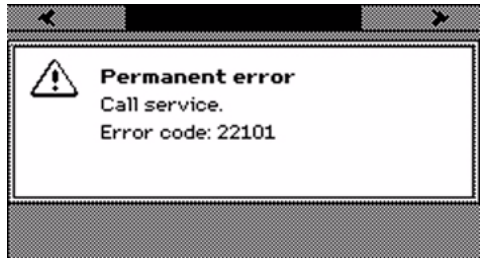
Deal with permanent errors

Introduction

When a permanent error occurs, the system produces a double audio signal. The red LEDs of the printer operator panel remain illuminated.

How to deal with permanent errors

1. A permanent error is an error that neither the system nor the operator can recover. A permanent error does not recover when you restart the system. When a permanent error occurs, an error code is displayed on the screen.



2. When a permanent error occurs, contact your local Océ service organisation. Make sure you have the error code at hand when you contact your local Océ service organisation.

Appendix A
Specifications of the Océ TCS300

Specifications Océ Power Logic® controller

Océ Power Logic® controller hardware

Platform	Océ controller with Windows® XP Embedded
Memory	512 Mb, expandable to 1GB
Hard disc capacity	80 GB high speed hard disc
Standard interface	10/100BaseT with RJ45
Network protocols	TCP/IP, IPX/SPX, FTP, LPD, Novell®
Power consumption	Controller: < 100 W
Electrical requirements	100-120 / 230 V, 50/60 Hz
Applicable software	Océ Power Logic® controller software

Océ Power Logic® controller software

The Océ Power Logic® controller software consists of a basic module and a print module.

[58] Basic module

Basic functions	File spooling on the controller. Concurrent receiving, processing and printing of digital jobs.
Basic application	Océ Settings Editor ■ Media manager ■ Licenses

[59] Print module (1 – 2)

Print processing technology	Océ Image Logic
Number of prints	1 - 999 Set memory: send once, process once, print many
Roll selection and switching	Manual Automatic
Print manipulation	Rotation Auto-scaling Positioning Pen management Trailing strip adjustment; add up to 400 mm

[59] Print module (2 – 2)

Colour modes	■ Greyscale ■ Colour
Quality modes	■ Check ■ Release ■ Presentation
Colour management	Supported on the controller (Océ Settings Editor). 'Colour feel' ■ 'Océ CAD colours' ■ 'Océ enhanced colours' ■ Simulated printer (simulation of Océ and non- Océ printers) ■ 'None, managed by application' 'Enhanced colours: RGB input data' ■ 'sRGB' ■ 'Adobe RGB' 'Enhanced colours: CMYK input data' ■ 'Euroscale coated' ■ 'Euroscale uncoated' ■ 'US web coated (SWOP)' ■ 'US web uncoated'
Language sensing	Automatic Language Sensing (ALS)
Standard file formats	■ Vector: HP-GL, HP-GL/2, CalComp ■ Raster: HP-RTL, TIFF 6.0, NIFF, CALS-I, NIRS, C4, ASCII
Cut length	■ Standard cut ■ Synchro cut ■ Custom cut
Optional	Adobe® PostScript 3™ PDF printing

Specifications Océ TCS300 printer

Technology	Multiple printhead thermal inkjet.
Printheads	9 Semi-permanent printheads with 640 nozzles ■ 3 Black printheads ■ 2 Cyan printheads ■ 2 Magenta printheads ■ 2 Yellow printheads.
True resolution	600 dpi x 600 dpi
Ink tanks	225 and 400 ml disposable ink tanks Océ TCS300 and Océ TCS500.
Ink level monitoring	Ink level indication on the printer operator panel Out of ink signalling
Print speed	Greyscale, check mode ■ 1 A0 (portrait) per 41 seconds Colour, check mode ■ 1 A0 (portrait) per 1 minute and 3 seconds
Maximum productivity	Greyscale ■ 60 A0 per hour Colour ■ 46 A0 per hour
Minimum pen thickness	0.080 mm
Media sources	multiple front loadable rolls
Media core diameter	2"
Maximum roll length	120 metre
Output delivery	Slide, accessible from the roll side Copy receiving rack (option)
Output sizes	Width ■ DIN: From A4 (landscape) to A0, 36", A1 and B2 ■ ANSI: From 11" to 36" (including 30") Length ■ 200 - 5000 mm
Drawing margins	■ Leading and trailing strip: 3 mm ■ Left and right side: 3 mm
Width detection	Automatic

Media types	■ Uncoated: 80 -110 g/m^2 ■ Coated: 90 -110 g/m^2 ■ Specialities
Calibration	■ Automatic printhead alignment ■ Failing nozzle compensation ■ Unattended printing in the overnight mode.
Dimensions	1461 mm x 743 mm x 1960 mm (H x D x W)
Voltage	100-120 / 230 V
Frequency	50/60 Hz
Power consumption	■ EPA Sleep mode (printer and Océ Power Logic® controller) < 60 W ■ Standby 160 W ■ In operation 215 W
Weight	165 -180 kg
Safety approvals	TüV GS, CETECOM, CE, UL, (c)UL, CB, FCC Class A
Other	■ Maintenance cassette. ■ EPA Energy Star® compliant.

Preferred media types and sizes

Introduction

Océ machines and media are matched for the best quality and performance. Océ advises only approved Océ media. You can receive a full list of the Océ media that you can use in your printer (that includes plain paper, transparent paper, coloured papers and different polyester films) from your Océ representative.

Attention: Do not store the paper in rooms where temperature and humidity are high. Avoid dust and direct sunlight. Wrap not used paper in the plastic to prevent it absorbing moisture.

Media types - Europe

The following preferred media types are available for the Océ TCS300 printer in Europe:

[61] Preferred media types - Europe

IJM number	Media name	Media name in Wizard
IJM005	Océ Draft Paper	Draft Paper
IJM020	Océ Standard paper 90 gsm	Standard Paper
IJM138 / 139	Océ Transparent Paper 90/112 gsm	Tracing Paper
IJM113 / 123	Océ Premium Paper 90 / 120gsm	Premium Coated Paper
IJM149 / 150	Océ Smart Matt Paper 120 / 170gsm	Matt Photo Paper
IJM222	Océ Top Photo Plus	High Gloss Photo Paper
IJM311	Océ Double Matt Film 95 um	Matt Film

Note: *Visit Océ on the internet at www.oce.com for the latest information.*

Note: *To make sure that your print quality is optimal you can download the OMP-file (Océ Media Profiles-file) with the right IJM-number from the Océ website for all media types.*

Media types - USA

The following preferred media types are available for the Océ TCS300 printer in the USA:

[62] Preferred media types - USA

IJM number	Media name	Media name in Wizard
86-500	CheckPlot Bond	Bond
86-800	DeluxeBond	DeLuxeBond
86-2024	Premium ColorBond	Coated Bond
GIPPLS7	PhotoPerfectPlus Glossy	High Gloss Photo Paper
86-6020	Color Vellum	Color Vellum
86-4016 / 86-4020	Mono chrome Vellum	Mono Chrome Vellum
86-8342 / 86-8632	Double Matt Film	Matt Film
86-0016 / 86-0018	Translucent Bond	Translucent Bond

Note: *Visit Océ on the internet at www.oce.com for the latest information.*

Note: *To make sure that your print quality is optimal you can download the OMP-file (Océ Media Profiles-file) with the right IJM-number from the Océ website for all media types.*

Media types - Japan

The following preferred media types are available for the Océ TCS300 printer in Japan:

[63] Preferred media types - Japan

IJM number	Media name	Media name in Wizard
IPE	Recycled Plain 64 gsm	Recycled Plain
IPC	Plain Coated 80 gsm	PlainCoated
IJM311	Matt Thin Film	MattFilmThin
IPT	Tracing Japan	Tracing Japan

Note: *Visit Océ on the internet at www.oce.com for the latest information.*

Note: *To make sure that your print quality is optimal you can download the OMP-file (Océ Media Profiles-file) with the right IJM-number from the Océ website for all media types.*

Media sizes

	Maximum	Minimum
Media width	36 inch	297 millimetres 11 inch
Roll length	120 metres	Not applicable

Typical drying times

Introduction

The printer automatically adapts the default drying time. The default drying time depends on the following.

- The media type
- The ambient humidity
- The print mode.
  When you print greyscale in the 'Check' quality mode, the system decreases the drying time to 20% of the default value.

You can change the drying time for all the media types. You can select a percentage of 0% - 999% of the default drying time (see '*Change the default drying time*' on page *77*).

Typical drying times per media type

The following table describes typical drying times for Océ media under standard conditions (22 °C, 50% relative humidity).

[65] Typical drying times per media type

Media type	Media name	Drying time (minutes'seconds'')
Draft paper	Océ Draft Paper 80 g/m^2	0'15"
Standard paper	Océ Standard Paper 90 g/m^2	0'20"
Bond	Océ Check Bond uncoated 20 lbs	0'20"
Deluxe bond	Océ Deluxe Bond uncoated 24 lbs	0'20"
Premium coated paper	Océ Premium Paper 90 g/m^2	0'20"
Coated bond	Océ Color Bond coated 24 lbs	0'20"
Matt photo paper	Océ Smart Matt Paper 100 (170) g/m^2	0'50"
High gloss photo paper	Océ Smartfit Plus Photogloss 175 g/m^2	4'45"
Tracing paper	Océ Tracing Paper 90 g/m^2	2'55"
Translucent bond	Océ Translucent Bond 16 lbs Océ Translucent Bond 18 lbs	0'50"
Monochrome vellum	Océ Monochrome Vellum 16 lbs Océ Monochrome Vellum 20 lbs	1'05"
Color vellum	Océ Color Vellum 20 lbs	1'40"
Matt film	Océ Double Matt Film 95 µ Océ Film Double Matt Erasable 3 mil Océ Film Double Matt Erasable 4 mil	1'45"
Recycled plain paper	Océ Plain Uncoated 64 g/m^2	0'25"
Tracing paper (Japan)	Océ Tracing Uncoated 75 g/m^2	2'55"
Plain paper uncoated		0'20"
Matt film (thin)		1'45"

Note: *For maximum productivity, the system does not perform drying times of 0'20" or less. When you change the default drying time, the system uses the drying times of 0'20" or less for the arithmetic operation.*

Specifications drivers and job submission software

Océ drivers

Software environment	Required driver	Remarks
All Windows applications (for example, AutoCAD® 2000 family	Océ Windows Printer Driver	This driver is a mixed raster-vector HP-GL/2 printer driver that allows you to print from any application under Windows 2000, Windows XP or Windows Server 2003 to your Océ systems.
AutoCAD® 2000 family	Océ HDI Printer Driver	This driver is a mixed raster-vector HP-GL/2 printer driver that is especially suited for AutoCAD.
Graphical application software	Océ TDS/TCS Adobe® PostScript 3 Drivers	The drivers allow you to print from a Windows 2000®, Windows XP®, Macintosh MacOS 8.6/9.x or Macintosh Mac OS X application to Océ printers.

Note: *Visit Océ on the internet at www.oce.com for the latest information.*

Optional application software

Function	Application software
Job submission	■ Océ Repro Desk ■ Océ Onyx RIP

Appendix B
Reader's comment sheet

Reader's comment sheet

Questions

Have you found this manual to be accurate?
O Yes
O No

Were you able to operate the product, after reading this manual?
O Yes
O No

Does this manual provide sufficient background information?
O Yes
O No

Is the format of this manual convenient in size, readability and arrangement (page layout, chapter order, etc.)?
O Yes
O No

Could you find the information you were looking for?
O Always
O Most of the times
O Sometimes
O Not at all

What did you use to find the required information?
O Table of contents
O Index

Are you satisfied with this manual?
O Yes
O No

Thank you for evaluating this manual.
If you have other comments or concerns, please explain or suggest improvements overleaf or on a separate sheet.

Comments:

Date:

This reader's comment sheet is completed by:
(If you prefer to remain unknown, please do fill in your occupation)

Name:

Occupation:

Company:

Phone:

Address:

City:

Country:

Please return this sheet to:

Océ-Technologies B.V.
For the attention of ITC User Documentation.
P.O. Box 101,
5900 MA Venlo
The Netherlands

Send your comments by E-mail to: itc-userdoc@oce.nl

For the addresses of local Océ organisations see: http://www.oce.com

Appendix C
Addresses of local Océ organisations

Addresses of local Océ organisations

Océ-Australia Ltd. P.O. Box 363 Ferntree Gully MDC Vic 3165 **Australia** http://www.oce.com.au/	Océ-Österreich GmbH Postfach 95 1233 Vienna **Austria** http://www.oce.at/
Océ-Belgium N.V./S.A. J. Bordetlaan 32 1140 Brussel **Belgium** http://www.oce.be/	Océ-Brasil Comércio e Indústria Ltda. Av. das Nações Unidas, 11.857 Brooklin Novo São Paulo-SP 04578-000 **Brasil** http://www.oce-brasil.com.br/
Océ-Canada Inc. 4711 Yonge Street, Suite 1100 Toronto, Ontario M2N 6K8 **Canada** http://www.oce.ca/	Océ Office Equipment (Beijing) Co., Ltd. Xu Mu Cheng Chaoyang District Beijing 100028 **China** http://www.oce.com.cn/
Océ-Czech Republic ltd. Hanusova 18 140 21 Praha 4 **Czech Republic** http://www.oce.cz/	Océ-Danmark a/s Vallensbækvej 45 2605 Brøndby **Denmark** http://www.oce.dk/
Océ Finland OY Valkjärventie 7 D, PL 3 02130 Espoo **Finland** http://www.oce.fi/	Océ-France S.A. 32, Avenue du Pavé Neuf 93161 Noisy-le-grand, Cedex **France** http://www.oce.fr/
Océ-Deutschland GmbH Solinger Straße 5-7 45481 Mülheim/Ruhr **Germany** http://www.oce.de/	Océ-Hong Kong and China head office 12/F 1202 The Lee Gardens 33 Hysan Avenue Causeway Bay **Hong Kong** http://www.oce.com.hk/

Océ-Hungaria Kft. 1241 Budapest Pf.: 237 **Hungary** http://www.oce.hu/	Océ-Ireland Ltd. 3006 Lake Drive Citywest Business Campus Saggart Co. Dublin **Ireland** http://www.oce.ie/
Océ-Italia S.p.A. Strada Padana Superiore 2/B 20063 Cernusco sul Naviglio (MI) **Italia** http://www.oce.it/	Océ Japan Corporation 3-25-1, Nishi Shinbashi Minato-Ku Tokyo 105-0003 **Japan** http://www.ocejapan.co.jp/
Océ-Belgium S.A. Rue Astrid 2/A 1143 **Luxembourg**-Belair http://www.oce.lu/	Océ Malaysia Sdn. Bhd. #3.01, Level 3, Wisma Academy Lot 4A, Jalan 19/1 46300 Petalig Jaya Selangor Darul Ehsan **Malaysia** http://www.ocemal.com.my/
Océ-Mexico S.A. de C.V. Prolongación Reforma 1236, 4to Piso Col. Santa Fé, Del. Cuajimalpa C.P. 05348 México, D.F. **México** http://www.oceusa.com/	Océ-Norge A.S. Postboks 4434 Nydalen Gjerdrums vei 8 0403 Oslo **Norway** http://www.oce.no/
Océ-Poland Ltd. Sp.z o.o. ul. Bitwy Warszawskiej 1920 r. nr. 7 02-366 Warszawa **Poland** http://www.oce.com.pl/	Océ-Lima Mayer, S.A. Av. José Gomes Ferreira, 11 Piso 2 - Miraflores 1497-139 Algés **Portugal** http://www.oce.pt/
Océ Singapore Pte Ltd. 190 MacPherson Road #03-00 Wisma Gulab **Singapore** 348548	Océ Printing Systems (PTY) Ltd. P.O.Box 629 Rivonia 2128 **South Africa**

Océ España SA Business Park Mas Blau Osona, 2 08820 El Prat de Llobregat Barcelona **Spain** http://www.oce.es/	Océ-Svenska AB Sollentunavägen 84 191 27 Sollentuna **Sweden** http://www.oce.se/
Océ-Schweiz AG Sägereistrasse 10 CH8152 Glattbrugg **Schweiz** http://www.oce.ch/	Océ (Thailand) Ltd. B.B. Building 16/Floor 54 Asoke Road Sukhumvit 21 Bangkok 10110 **Thailand**
Océ-Nederland B.V. P.O.Box 800 5201 AV 's-Hertogenbosch **The Netherlands** http://www.oce.nl/	Océ (UK) Limited Océ House Chatham Way Brentwood, Essex CM14 4DZ **United Kingdom** http://www.oce.co.uk/
Océ North America Inc. 5450 North Cumberland Avenue Chicago, IL 60656 **USA** http://www.oceusa.com/	

Note: *The web site http://www.oce.com gives the current addresses of the local Océ organisations and distributors.*

Note: *The addresses of local Océ organisations for information about the Wide Format Printing Systems and the Production Printing Systems can be different from the addresses above. Refer to the web site http://www.oce.com for the addresses you need.*

Index

3D CAD
Colour 92

A

Alternative language
Display language 44
Anonymous user
Password 14

B

Back-up file 58
Business graphics
Colour 91, 92

C

CAD drawings
Colour 87
Colour (high density) 89
Greyscale 85
Check your licenses 60, 126
Clean cut the media 79
Clear set memory 161
Colour feel
HP-GL, HP-GL/2, HP-RTL 100
PostScript, PDF 100
TIFF 100
Colour Management
Overview settings 105
Colours
Output quality problems 112
Common user
Password 14
Components
Océ Power Logic® controller 19
Océ TCS300 printer 21
system 18
Configuration 54
Configure system
Network adapter 48
Password protection 48
Configure the Media request time-out 63
Configure the regional settings of the Océ TCS300
47
Controller
Hardware
Specifications 166
Software
Specifications 166
controller 21
Copy Receiving Rack 29
copy receiving rack 30
Create a back-up file of the settings 58
Current date and time 47
Cut the output 78

D

Date format 47
Default language
Display language 44
Demo print 115
Display counters 27
Display language
Alternative language 44
Default language 44
First language 44
Océ Power Logic® controller 44
Printer operator panel 44, 45
Second language 44
Download
Media profile 65
Drivers 175
Drying time
change 77
typical drying times per media type 173

E

Energy save mode
Printer 40
Enhanced colours
CMYK input data
PostScript, PDF 102
Rendering intent
HP-GL, HP-GL/2, HP-RTL 103
PostScript, PDF 103
TIFF 103
RGB input data

HP-GL, HP-GL/2, HP-RTL 101
PostScript, PDF 101
TIFF 101
Error codes
Printhead 153
Error messages
Printer 152
Errors
Carriage away from home position too long 160
Cover or door opened 156
damaged jobs 161
End of roll 155
Permanent errors 163
Required media not available 154
Set memory
damaged jobs 161
red zone 161
System errors 162
Temperature or humidity out of range 159
types 152

F

Finishing options
Copy Receiving Rack 29
Integrated Receiving Tray 29
First language 47
Display language 44

G

Get a new license 127
GIS drawings
Colour 87
Colour (high density) 89

H

How to change the language setting
Microsoft Internet Explorer 46
Mozilla Firefox 46
How to check the media profiles 64
How to check the settings that are stored in a back-up file 58
How to configure the Meida request time-out . . 63
How to configure the network settings in the Océ TCS300 Settings Editor 51
How to define the regional settings 47
How to download a media profile from the Océ web site 65
How to load a back-up file 59
How to log in as an authorised user 57
How to save the license information 129
How to save the settings in a back-up file 58
How to update a media profile 66
HP-GL, HP-GL/2, HP-RTL
Colour feel 100
Enhanced colours
Rendering intent 103
RGB input data 101
Humidity 67, 116, 173

I

Ink tank
place 141
remove 140
replace 139
Ink usage 27
Integrated Receiving Tray 29

J

Jammed media
Remove 157
Job submission 70, 71
FTP 73
printer drivers 72

K

Key operator 14, 56
Password 14

L

Language
Change 26, 27
License
Get a new licence 127
Licenses 60, 122, 126
Save 129
Load media roll 134
Log in 57
Log in as an authorised user 57
Logo
Colour 91

M

Maintenance cassette
- Place . . . 150
- Remove . . . 148

Manage the media profiles . . . 64
Managing licenses . . . 122
Measurement unit . . . 47
Media profiles . . . 64
Media request time-out . . . 63
Media roll
- define . . . 135
- load . . . 134
- remove . . . 132
- wizard . . . 135

Media series setting . . . 62
Media sizes . . . 47
Media type
- select . . . 75

Media types . . . 170
- Preferred
  - Europe . . . 170
  - Japan . . . 171
  - USA . . . 171

Media usage . . . 27

N

Network configuration . . . 48

O

Océ Power Logic® controller . . . 19
- Display language . . . 44
- location . . . 19
- web application . . . 20

Océ Settings Editor
- Media series . . . 62
- Paper series . . . 62

Océ TCS300 printer . . . 21
Omp.file . . . 65
On-line mode
- Ink level information . . . 26
- Job information . . . 26
- Media information . . . 26
- Printhead information . . . 26
- System information . . . 26

Operator panel
- printer operator panel overview . . . 23

Optimise Output quality . . . 116
Optimise print quality . . . 118
Output quality . . . 82, 84
- Optimise . . . 116

Output quality problems
- Colours . . . 112
- Overview . . . 108
- solutions . . . 116
- Stripes and Banding . . . 109
- Waves / Cockle . . . 111

Output type . . . 84
Overnight printing . . . 67
Overview
- Output quality problems . . . 108
- system . . . 18

Overview settings
- Colour Management . . . 105

P

Paper series setting . . . 62
Parts
- Settings Editor . . . 54

Password
- Anonymous user . . . 14
- Common user . . . 14
- Key operator . . . 14
- Power user . . . 15
- System Administrator . . . 15

Photos
- Colour . . . 95

Place
- Maintenance cassette . . . 150
- Printheads . . . 145

PostScript, PDF
- Colour feel . . . 100
- Enhanced colours
  - CMYK input data . . . 102
  - Rendering intent . . . 103
  - RGB input data

101

Power Logic® Controller
- Shut down . . . 39
- Turn off . . . 39
- Turn on . . . 37

Power user . . . 56
- Password . . . 15

Preferences . . . 54
Preferred media types . . . 170
Print job
- delete . . . 74
- resume . . . 74
- stop . . . 74

Print quality

Optimise 118
Print speed 84
Printer
Energy save mode 40
Error messages printer 152
Sleep mode 42
System messages printer 152
Turn off 39
Turn on 37
printer 19
Printer drivers 72
Printer operator panel
Display language 44, 45
Off-line mode 27
On-line mode 26
overview of functions 23
overview of keys 23
Printhead
Error codes 153
Printheads
Place 145
Remove 143
Replace 142

Q

Quality check print 113
Quality mode
CAD drawings
Colour 87
Colour (high density) 89
Greyscale 85
GIS drawings
Colour 87
Colour (high density) 89
Quality modes
check 83
presentation 83
release 83

R

Regional settings 47
Relation between output quality parameters 84
Remove
Jammed media 157
Maintenance cassette 148
Printheads 143
Remove media roll 132
Replace
ink tank 139
Replace printheads 142
Repro operator 14

S

Save
Licenses 129
Save the currently active licenses 129
Second language 47
Display language 44
Set another language
Browser 46
Set memory
clear 161
Settings Editor
Overview 54
Shut down
Power Logic® Controller 39
Sleep mode
Printer 42
Specifications
Controller
Hardware 166
Software 166
Drivers 175
Media sizes 172
Optional application software 175
Printer 168
Stripes and Banding
Output quality problems 109
Support 55
System Administrator
Password 15
System administrator 14, 56
System messages
Printer 152

T

Temperature 67
TIFF
Colour feel 100
Enhanced colours
Rendering intent 103
RGB input data
101
Time format 47
Tone scale area check 114
Turn off
Power Logic® Controller 39
Printer 39

Turn on
Power Logic® Controller 37
Printer 37

U

Update
Media profile 66
Update a media profile 66
Upload a new license 128
User rights 56
User roles and authorisations 56
Users 14
Anonymous user 14
Common user 14
key operator 14
power user 15
system administrator 15

W

Waves / Cockle
Output quality problems 111
Wizard
Change the media type 132
Configure system 48
Feed and cut 78
clean cut 79
Optimise print quality 116, 118
Replace cassette 148
Replace ink tank 140
Replace printhead 143